



SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: Ruddy, David A.
Wolff, Roger K.
- (ii) TITLE OF INVENTION: POLYMORPHISMS IN THE REGION OF THE HUMAN
HEMOCHROMATOSIS GENE
- (iii) NUMBER OF SEQUENCES: 24
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
 - (B) STREET: Two Embarcadero Center, 8th Floor
 - (C) CITY: San Francisco
 - (D) STATE: CA
 - (E) COUNTRY: USA
 - (F) ZIP: 94111
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/852,495
 - (B) FILING DATE: 07-MAY-1997
 - (C) CLASSIFICATION: 435
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/724,394
 - (B) FILING DATE: 01-OCT-1996
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/652,265
 - (B) FILING DATE: 23-MAY-1996
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/630,912
 - (B) FILING DATE: 04-APR-1996
 - (C) CLASSIFICATION:

(2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 235033 base pairs
 - (B) TYPE: nucleic acid

(C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

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| CACACACACA CACACACACA CACACACACA CACACAAATG AGGTATATAA AGGGTCTCCT | 60 |
| AAAATGTCAT CTGATATTTG TTATTTTCATA TTCTCAGATT TTTAATCCAT TTAGGTAGGT | 120 |
| CTATTTTAGA TAGCCTTGTC TGAAACAGAG CTGGGACCTG ATGAGTGAAA ATGAGCTCAC | 180 |
| CAGAAGAAAA ATCAAACAGG CATTTCAGAG ATTGAGGCCA AGAAGTTAAA TGTCTTAAAT | 240 |
| GGGCAGAGCT TAGCTGCTTG ATGTGAAAAG AGACCAGCGT GGCTGGAACA GCAAAGGAGA | 300 |
| ACAGCAGAAG AGGTGAACAG AGGCCAGAGA TGGTCACTGA GTGGGCCCTT AAGTCATGGT | 360 |
| AAGGAGTATG GAGAATGAAT TATTGCATGT ATTGAATATG TAGGTGACGT GACTCACAGA | 420 |
| TACTTTGGAT TTGTAGAGAT GAAGGAAATG TAGCAAGTGA CACTCTTAGA ATGTTGATTT | 480 |
| GAGTAAATGG TAGTGTCAGT TATTGAACTG GGGAGAACTG GAAGGGATAA CAGGCTTAAG | 540 |
| GAGCACGTTT ATTCTGTGT CTTGGAAGTG TTTAGGGTGA AAGACCTATT AGAGTTCTAA | 600 |
| ATGGAGATGT CAAGTGAAAA TGTGGCTACA CACATTTGCA TTTCAGAAAA AAGGTCAGGC | 660 |
| TGGAGATGTA AAATTGGAAG TTTACTGCAT ATAGATAGTC TTTGGAACCG TAGTATTGAT | 720 |
| GAAGCCATTA ATGAGACAGA ACAAAGACTA GGGACCAGAG CCAAGCTCCA AGTTTCTAAA | 780 |
| ATTTAGAGGA TAGTATAGTC TGGTCATTTT GAGGTGAATA CTTAATAACA GAACAATTTG | 840 |
| TTGAAGTGTA AATTTAGAGC CCTACACTTT TAGCTCTGAC TATTAACGAA TACAGGAAAG | 900 |
| AATGGATATG GTTATCTGCC TGGTGTCTGT GAAATAATTT AAGCCAGGAA GAGATCCTCA | 960 |
| CCAGAAACTG ACTATGCTGG CAACTTGGAT CTTAGATTTT CAGCCTGCAG AATTGTTAGA | 1020 |
| AAATAAATGT CTATCGTTTA AGCCACCAGT CTGTAGTATT TTGTTATGGC AGTCCAAGCT | 1080 |
| GACTAAGTTT TGGTACCCAG GCGTGGGATG CTGCAACAAC AAATACCTAA ACATGGGGAA | 1140 |
| GTGGCTTTGG AAATTGGTGA TGGGTAAAGG CTGGAAGAGT TTGAGGTTCA TACTAGAAAA | 1200 |
| AGCCAATTGT GAAGGGACTA TTGAAAGAAA TATGGACATT AAAGGCAATT CTGGCAAAGG | 1260 |
| CTCAGAAAGG AAGAGAGCTG GACAGAAAGC TTCCATTTTC ATAGAACTT AGATTTATAA | 1320 |

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| CGATCATGGA TAGAATATTA AATATGCTGG TTAAAATATG GACTTTAGGC CAGGCGTGGT | 1380 |
| GGCTCACGCC TGTAATCTCA GCACTTTGGG AGGCTGAGGG CACAGATCAC GAGGTCGGGA | 1440 |
| GTTTGAGACC AGCCTGGCCA ATATGGCGAA ACCCTGTCTC TACTAAAAAT AAAAAATTA | 1500 |
| GCTGGGCATG GTGATGTGCT TCTGTGGTCC CAGCTACTCG GGAGGCTGAG GCTGAAGAAT | 1560 |
| CGCTTAAACC CGGGGGGTGG AGGTTGCAGT GACCCAAGAT CACACCACTG CACTCCAGCC | 1620 |
| TGGGATACAG AGCAGGACTC CACTCCCCC GCCACACACA CACAAAAAAT ATATATATAT | 1680 |
| GGACATTAAA GTCAACTCTT GTGAGGTCTC AGATGAAAAT GAGGGACAGG TTATTGGAAA | 1740 |
| CTGTAGAAAT CACTGTTCTT GTTACAATGT GTCAAGAACT TGGCTGAATT ACGCTGTAGT | 1800 |
| GTTTACTGGA AAGAACTTAT AAGCAGTAAA ACTGGATATT TACCAGAAGA GATGTCTAAG | 1860 |
| CAAAGTATTG AAGGTGTGAT TTAGGTCTC CTTACTGCTT AAAGTGAAAT GTGAGAGGAA | 1920 |
| AGAGCCGAAA TAAAGAAGGA ATTTTAAAGC AAAACACAAT CAGAACTTGG AGATTGGGA | 1980 |
| TAGATTTCTC AATCTATATT GTAAAAATTG AGAAAGTTTT TCTTGAAGAG GTATGGTTGA | 2040 |
| ACAATGTTTT CTTTTTCTTT TTTTTTCTTG GTTTTATTTT TATTTTTATG TTTTTTGAGA | 2100 |
| CAGGGTCTGG CTATGTCATC CAGGCTGGAG TGCAGTGGCA CAATCTCAGT TCAGTGCAAC | 2160 |
| CTTTGCCTTC AGGCTCAAGC AATCCTCCCA CCTCAGCCTC CTAAGTAGCT GGGACTACAT | 2220 |
| GSTATGCACCA CCACACCCTG GCTAATTTTT TGTGTGTGTT TATAGAGATG GGGTTTTGAC | 2280 |
| ATGTTGCCTA GGCTGGTCTC TAACTCCTGA GCTCAAGTGA TCTGCCCTCC TCAGTCTCCC | 2340 |
| AAAGTGTTGG GATTACAGGC GTGAAACACT GAGCCTAGCC TGAACAACCA TTTGATAAAG | 2400 |
| AGATAATGGG TGTGACCCAA GGATTTAATC AGCCATCTCA GCAGAAGCCA GGAAGAGAGA | 2460 |
| TGGGATTATT CCAGCAGAGA CACTGCCAAT TTAAACTAAC GTAGGCAGAG AAAACAGAAA | 2520 |
| GGAACAAAGG AAGGTTGTCG ACTTTTTGAA TTCTATAGAA CAGGATCATA GAGCTACCTG | 2580 |
| GCTGTCAATG TGTACTATTC TTTAAGAAAA GGAAAGACTG ACCCACCAA GGCAACTTAC | 2640 |
| AAGATCACTA GGGCTGACTC TTTTGTTTTT TCTTGAGGCA GTCTCACTGT CACCCAGGCT | 2700 |
| GTAGGGCAAT GGTGTGATCT CAGCTCACTG CAATCTCCAC CTCCAGGTT CAAGGGATTCT | 2760 |
| TCTTGCCTTA GACTCCCAAG TAGCTGGGAT TACAGGCTCT AAATCTGTAC CCTCCGAGT | 2820 |
| AGCGCTCCTG CCACCACTTG CCCAGCTAAT TTTTGTATTT TTAGTAGAGA TGGGGTTTCA | 2880 |
| CTATGTTGGC CAGGCTAGTT TGGAACCTCT GACCTCCAGT GATCCATTCT CATTGGCCTC | 2940 |

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| CCAAAGTGCT | GGGATTACAG | GCAGGAGCCG | CCAGGGCTGC | CACTTTGATG | TCAGACTCAG | 3000 |
| AGAGTACAGA | TGGGATAGGG | TGGGGGTGGG | AACATGTAGT | CAAGGCTGAC | TCTACCTGTT | 3060 |
| TCAAAGATGC | CCTGCAGAAC | TGTGTGGGAG | TCTCTCACAG | ATGGCTGCCT | GGGTGGGACC | 3120 |
| CCACCAAAC | GAAAGACCGA | GACTTCAGGC | AGGGCAGATG | GAGTAGGCCA | ACTACAGAGC | 3180 |
| CAGAGGTGAC | ACTGAGACAC | CACTGGGCCT | GGAAATCAGG | GCATCAAGCC | AAAGAGGGTT | 3240 |
| TTTCTTAAGA | CCTAACAGAA | TTTGCCTTGC | CAGGTTTTTG | ACTTGATTAG | GACACATTAC | 3300 |
| ACCTTCCTTC | TTTCCTATTT | CTCCATTTTC | TAATGGGAAT | GTCTATTATG | CCTGTTTCAC | 3360 |
| CATTGTACCT | TAGAAGCATG | TAACATTTCT | GGTTTCACAC | GTTCAAAGCT | GGAAAGGAAT | 3420 |
| TTTGTCTCTG | GATGAATCAC | ACATTGAGCC | TCACCCGTAA | CCTGATTTAG | ATGATTTTTT | 3480 |
| AGATGACACT | TTGAACTTTA | GAATTGATGC | TAGAATGAGT | TAAGACTTTC | AGGGGGCTGT | 3540 |
| TGGGATGGAA | TAATTTTTTT | TTTTTTTTTG | AGACGGAGTC | TAGCTCTGTC | GCCCAGGCTG | 3600 |
| GAGTGCAGTG | GCACCATCTT | GGCTCACTGC | AAGCTCTGCC | TCCCGGGTTT | ATGCCATTCT | 3660 |
| CATGTCTCAG | CCTCCAGAGT | AGCTGGGACT | ACAGGCGCCC | GCCACCACGC | CTGGCTAATT | 3720 |
| TTTTTTTTTAT | TTTAGTAGAG | ATGGGGTTTC | ACCGTGTTAG | CCAGAATGGT | CTCGATCTCT | 3780 |
| TGACCTTCTG | ATCCGCCTGC | CTTGGCTTCC | CAAAGTGCTG | GGATTACACG | TGTGAGCCAC | 3840 |
| CATGCCCCGC | TGGGATGGAA | TAAATTTATC | TTGTATGGGA | GAAGGACATA | CATTTTGGCA | 3900 |
| GGTCAAGGAC | AGAATGTTAT | GGACTAAACT | GTGTCCCCCA | AAATTCATTT | ATTAAAACCC | 3960 |
| TAAACCCCAG | TGTGACTGCA | TTTGGACATA | GAGCCTTTAG | GGGGTACATA | AAACTAAAGA | 4020 |
| TCACAGGATA | GGGCCCTAAT | CCCATTGGGG | CTGGTGTCTT | TACAGAAGAT | GAGACACTTA | 4080 |
| GAGCTCTCTC | TCCACGCAGG | CACCAAGGAA | ACACCATACA | AACACACAGT | GAGATGGCAG | 4140 |
| CCATCTGTTA | GCCAGGAACA | GATTCTCACC | ATAAACTATG | TTGGCACCTT | GATCTTAAAC | 4200 |
| TTCCAGGCTC | CAAACTGTG | AGAAAATGAA | TTTCTGTTCC | AAGCCTCTTA | GATATGGAAA | 4260 |
| AAAAGATTCT | GTTGTTTAAG | CCATCCAGTC | TCTGGTATTT | TGTTATGGCA | GCCTGAGTAG | 4320 |
| GCTAAGACAA | TGAAGGATGT | GGTAAACTTT | TACGTCCCAA | CCACATACCA | AAGAGGCTGG | 4380 |
| AATTTAGCAT | GCTTTCTTCT | TTCAACTGTA | GGCAATGTGC | ACAAGTTCTA | AATCCTAAGA | 4440 |
| CATGTTGGCT | CCTTTACTCT | GCCCCAACTA | CAACTCAAAC | AAACAACGTG | AATATAATAA | 4500 |
| CATCCAATGA | AGTTCTGACA | TTTCTTCAAC | ATGAGTACAG | TAATTCAATG | CCAGAGAATT | 4560 |

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| CATTTTATTT | TGAAATCTAC | ATGCCATATT | CCAATTTCTG | TTGAAGATGC | AATGGTTATA | 4620 |
| TTTATTCTTT | TTAATATAGA | TTTATCAGAC | TGGGCGCGGT | GGCTCATACC | TGTAATCCTA | 4680 |
| GCATTTGAGA | GGCTGAGGTG | GGCATATCAC | CTGAGGTCAG | GAGTTTGAGA | CCAGGCTGGC | 4740 |
| CAACATGGTG | AAACCCTGTC | TCTACTATAA | ATATAAAAAT | TAGCTGGGTG | TGGTGGTGCA | 4800 |
| TGCCTGTAGT | CCCAGTTACT | AGGGAGGCTG | AGGTAGAATT | GCTTGAACCT | GGGAGCAGGA | 4860 |
| GGTTGCAATG | AGTGGAAATC | GCACCAGTAC | ACTCCAGCCT | GGATGACAGA | GCAAATAAT | 4920 |
| AAATAAATAC | ATAAAATAGA | TTTATCAGTT | TATCAATAAT | ATAGTTTTCT | TTTCTAGGTG | 4980 |
| TAAATATAGG | TAATGACTGT | CCTTTAGTAC | ATTTTCTCAT | GATGCTCCTC | TTACTTGGTT | 5040 |
| TGGTACAATA | TTAAGTATTG | AAATAAAATA | GAGAATCCTG | TCGCTACACA | TGAGCACTTA | 5100 |
| TTCCATTTGC | TCATCTCCAA | TATGCACGGG | AAATTCTCAA | ATTGCTAATA | ATCTTGTAAC | 5160 |
| ACACATGCAT | TATATTCAAC | AGGAATATAT | AAATTTATAA | TTATAATTTA | GGATCAACAG | 5220 |
| ATGACAAACC | TTTAGAAGGT | TTGTATTTAA | CCTTAAATA | TAATTTTTTA | AAAATTGGTT | 5280 |
| ATAAAATTTT | TAATACTTTC | TTTTTTGTGA | CCTCAAGGGG | AAAATATAAT | TCTTATAAAA | 5340 |
| GTTCAAATGA | TTTACAGAAT | ACAAAAAGTG | AATAGAGATG | ATGAATGAAT | TAAAGGAAAG | 5400 |
| GATATTGCTA | CATAGATTTG | GAAATTTAAA | AAGGGAAATT | ACGATTGTTG | ATTTTGTGTT | 5460 |
| AAACTGATCT | GCTTTGTTCA | AGATACCTTA | TGTACCAAAA | AATGATTTTA | TCTCAGCCTC | 5520 |
| ATATCTCAGT | AAATTCCTGA | GACAAACTTT | AGTCCCTGGT | GCCCAGGTGC | CTTTGGTAAT | 5580 |
| TGGGAGACCT | CTAGGTTTAG | CATCCTCATC | CACTCGCCCC | AATTTAAATA | GTCCTCCCCA | 5640 |
| GGGCCATTCA | GGCAAGGGAG | ATGAAAACCT | GCTCAAGAGT | TGGAATCCAA | CTGAAGCTAC | 5700 |
| CGAAATTCAT | TGCTCAATAG | ATAATTTTCC | CTGGAAGTAA | CTAGGGCTTT | TGAATATAAT | 5760 |
| AGTGGGCATT | TCAAAGTAGA | AGGTAAAGTA | TTTTGGAGAT | GAGGAGACAG | GACAGAGCTA | 5820 |
| CGAGGAATGT | CCTTTGCTTA | GGGACTAGGC | TCTTAGCAGT | ACCTCTTAGG | TAAGAACTGG | 5880 |
| TTAACTGGCA | CCTTCTGTGT | TTCTCTGAAG | CTCCCTTTGC | TTAGGGACTA | GGCTCTTAGC | 5940 |
| AGTACCTCTT | AGGTAAGAAC | TGGTTAACTG | ACACCTTCTA | TGTGTCTGAA | GCTCCCAGAA | 6000 |
| CAAAGTCCCA | GTGAAATTTG | GATTTTTTGA | ATATAGTTTC | TTTTTTCTTG | TTACTTTTTG | 6060 |
| TTTTGTGTTT | TTTTTTTGAG | AGTCTCACTC | TCACTGCAAC | CTCCCCCTCC | TATATTCAAG | 6120 |
| TGATTCTCTT | GCCTCAGCCT | CCCGAGTAGC | TGGGACTACA | GGCGTGCACT | AGCATGCCCA | 6180 |

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| GCTAATTTTT | GTATTTTTTA | GTAGAGATGG | GGTTGGTTTT | TTTTTGAGAC | GGAGTTTCAC | 6240 |
| TTTGTCGCCC | AGGCTGGAGT | GCAGTGGCAC | GATCTTGGCT | CACTACAACC | TCCACCTCCC | 6300 |
| GGGGTTCAAG | TGATTCTTCT | GCCTCAGTCT | CCTGAGTAGC | TGGGACTACA | GGCGCCTACA | 6360 |
| GGTGAACACC | GCCACACCTG | ACTAATTTGT | GTAGTTTTAT | TAGAGATGGG | GTTTCGCCAT | 6420 |
| GTTGGCCAGG | CTGGTCTCAA | ACTCCTGACC | TCAGGTGATC | TACCCACCTC | AGCCTCCCCA | 6480 |
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| AATAAACCAA | CTCTCTACAA | CAAAGTGCTT | CCTGGCTGCC | TAAGTCATTG | ATTCATTCAG | 6660 |
| TTCAACATTT | TCTCAATGCC | CAACAGCCAA | GTGTCTCTTG | TATGCCAAGT | TCTATGCTGA | 6720 |
| TTATCAGTAT | TTGAATAAGA | GGGGGTCTAC | ATCTTAAGTA | CTGCTTAAGA | TGAAAGCCTC | 6780 |
| TAGGTTAACA | AACTTAACAC | AATGTATCAT | TCACTACTAA | ATAGACCGAA | TACAAAATCT | 6840 |
| TGTTATTGGA | GCCCAGAGAG | AAGAATTGAA | ATTCAAGTTT | TCTCTCTCTC | CTTTTCTCAC | 6900 |
| TCACCACAAT | AAGTCAGTTG | CACCAAGTCT | TGTAGCTCTT | TACTGAGCCA | TGTTTTCACG | 6960 |
| TGTCCCTTTG | TTTTATTTGC | CACACCCTAA | ATAAAAATTG | TACTGGCTTT | TTTTCCCTGG | 7020 |
| GTTTACAGTA | TTAATACATT | GTCAAGATTT | ACCTCTTCGT | GTAGATTCCC | TGGGGAAAAT | 7080 |
| TACCTTTCCT | CCTTCCCTTA | AATTCTTCAG | AGGTTAGAAA | GCCATTAGTA | ACATTCTGGT | 7140 |
| ATGTGGACAA | AGTTTACCCA | TTATGTATGG | ATGTTTTACT | CTTTCTATTT | TTCTGACAAT | 7200 |
| AATCTCTTAA | GGAGGTGTGG | TTATAGAATA | GTCAGCTGTT | ATAAGTACTG | TTTTCTGGC | 7260 |
| CTTACAACCT | AAGTTCTTTA | AGCTGTTTCT | TAGTTTGCTC | ATCTCAAAT | TCGGAATAAG | 7320 |
| GATAAACCT | ATCTCTTAGA | TTGTTGGATT | AAATGAATTA | ACATACTGGA | AGCTCATGAA | 7380 |
| ATGTGCCTGG | CACACAGTAG | TGCCTAATAA | ACCATCTCTC | TTATTAGCC | TGTTTTCTGA | 7440 |
| TTTCAGAATC | TACACTTGCT | GAGCCAGGTT | CTTTTCATTT | CAAGGTGAGC | AAAAGCATAC | 7500 |
| AAGGAAGAGA | TGGAGGTAGG | AAGAGATTAA | GCCCTAGGCC | AAGGTCACAC | ACCGATTGGG | 7560 |
| AGCTGGAATC | AAAGGCAATT | TGGTCAGTGA | ATAAAAAGGA | TTCCAAGGCC | CATAAGGCAA | 7620 |
| TTCTAACCTT | AGGATCGAAA | TTCTCGGACA | TACAGGAAAT | GCTGGGGGGG | GAAAATCCGG | 7680 |
| TCTTCTCAGC | CCAAGAGCCA | TGTGAAACCA | GACCTTCAAA | TCTGATGATT | CTCAGCCCAG | 7740 |
| CTGCCCATTA | GAATCGTTGT | AATTTAAAAA | TACCCTCGGA | AAATTCTAAT | ATGTGGCTAT | 7800 |

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| CAAAGGTGAT | CATTTGCTTT | TATGCCACTT | TGTTTTTCACC | CAAATGGGAC | ATCCAACCCT | 7860 |
| TTTCCTTTGA | GAGTAGTTGT | AGGGAAAGGA | GGGGGTGGAG | GGAGGGAAGA | GCGGAAAAGG | 7920 |
| CTGGATCCGC | CCTGAGCCGG | TGTCAGTATC | TGGGAAGTGG | GAGGCGCGTC | AGCAGTAAAC | 7980 |
| AGCTTCTGCT | AGGATTATTA | TCTCCTGCCA | CACACTCGGA | TTTGAAGGCT | CCAAACGAAA | 8040 |
| CAATGCAAAA | CGCTTCAGTG | GAGTTCCAGA | AGCGTTAGAC | TAAACGACTG | GGTCTGTTTG | 8100 |
| GCCAGTCTGA | GCAGCTGGGC | GCAGATGCAT | AGGCAAGACT | TAGCCCGCCT | AGACTTTTCT | 8160 |
| GCCCCACTTAA | TTCCGATCAA | AGCAGAAACC | GGCCGGGCGC | GGTGGCTCAC | GCCTGTAATC | 8220 |
| CCAGCACTTT | GGTAGGCAGA | GGCTGGCGGA | TCACCTGAGG | TCAGGAGTTC | GAGACCAGCC | 8280 |
| CGGCTAACCT | GGTGAAACTC | CGTTTCTACT | GGTGGCGGGC | GCTTGTAATC | CCATCTACTA | 8340 |
| GGGAGGCTGA | GGCCGGAGAG | TCGTCTGAAC | CCGGGAGGCG | GAGTTTGTAT | GCAGTGAGCC | 8400 |
| GAGATCGCGC | CACTGCATTC | CAGCTTGGGC | AACAGGAGCA | AAACTCCGTT | TCAAAAAGC | 8460 |
| AAGCAAACAA | ACAAAAAAT | GCAGAAACCG | AGATCCGGAA | GAAAACCTCG | GCGAGATTCA | 8520 |
| CAGAATCCAG | GAAAATAGGT | CTCTAGAAAT | TTGTCCATGG | TCCCAGATCT | CCATTTCTTG | 8580 |
| TGGGTGGGGC | AGCTGTTACC | AGATCCCTAG | AAGCAAAGGT | TTTTTTGGGG | GACCGTGTCT | 8640 |
| CACTGTTGCC | CAGGCTGGAG | GGCAGTGGCA | CGATCTCGGC | TTACTACAAC | CTCCGCCTCC | 8700 |
| CAGGCTCAAG | CGACTCTCCT | GCGTCAGCTT | CAAGAGTAGC | TGGGATTACA | AGGTATGTGC | 8760 |
| CACCACGCCC | AACTTATTTT | TTTATTTATT | ATTTTTATTT | AGTAGAGAGG | TGTTTCACCA | 8820 |
| TGTTGGCCAG | GTTAGTGTCTG | AAGTCGTGAC | CTCAGGTGAT | CAGCCCCCTC | GGCCTCCCAA | 8880 |
| AGTGGTAGGA | TTAGAGGGGT | GAGCAGAAAG | CAAAGGTTTT | TGAGTGGCCA | CAGGCCCCAC | 8940 |
| TCTATTTTCT | TTTCTGCCTG | TAATGGCAAC | CTAGACGCTT | GAGCTTCTTA | AAATACAAGA | 9000 |
| GTAAGTTGCA | TGTCAGGCAC | CGTTCTACAT | TAGGGACATT | AGTCTGTTTT | ACAGACACCT | 9060 |
| TTCAACTCCC | TGGTTAACTT | TTAGGTAATA | TACTCTGCAC | TTTAGCAGGA | ATGGGACCTA | 9120 |
| TAACTCTCAC | AGAATTAGGA | AAGTGAGGCT | GCCTACAGCC | TAAATTGAGA | AAAAAATAGA | 9180 |
| CGGGGGACTA | GTCGGAGGAC | CAAACAAGGT | TACCAACACG | TTAGAGTTTT | GCCTTCAATT | 9240 |
| TACATTTTTA | AAGTAATCAC | AACGAAGTGT | TTAGATCACG | AGGCATCCCT | GCATGTAAAC | 9300 |
| TGTTAGGCAC | TAACTATGGT | CGATCTTACA | AAGCATTAAC | TAGAATATTT | CTTTAGAGTA | 9360 |
| TGATAGTACG | TAACTGACCT | ACTATTACAT | ACAAACAGAC | CAACCTTTAG | TAACAGCGCT | 9420 |

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| CCCCAAAAAC | CGAAAAGCAG | TAATACGCTT | TGCTCAAGGT | TGGCATAAAA | TTAACTTACC | 9480 |
| TTAGTGCCTT | TTTTCCTTCT | ACCTACAAGC | AGTGAGGTTA | GCTCTTCCTT | TGAAACGGTA | 9540 |
| GGGGGGCTCT | GAAAAGAGCC | TTTGGGTTTG | ATAGCGTTTC | CGGGAGCTCA | GATACCTGTC | 9600 |
| AAATCACTTG | CCCTTGGCCT | TGTGGTGAAT | CTCGGTCTTC | TTAGGCAGAA | GCACGGCCTG | 9660 |
| GATGTTAGGA | AGGACGCCGC | CCTGAGCAAT | GGTCACCCGG | CCTAGCAGTT | TGTTGAGCTC | 9720 |
| CTCGTCGTTG | CGGATGGCCA | GCTGCAAGTG | GCGCGGGATG | ATGCGAGTCT | TCTTGTTGTC | 9780 |
| GCGAGCCGCG | TTGCCGGCCA | GCTCCAGGAT | CTCGGCGGTC | AGGTACTCTA | ACACCGCCGC | 9840 |
| CAGGTACACC | GGCGCGCCTG | CCCCAACCCG | CTCTGCGTAG | TTGCCTTTAC | GGAGCAGGCG | 9900 |
| GTGCACTCGG | CCCACCGGGA | ACTGGAGACC | AGCGCGAGAA | GAGCGGGATT | TCGCTTTGGC | 9960 |
| GCGAGCTTTG | CCTCCTTGCT | TACCACGTCC | AGACATTGCA | ATCAGACAAA | AATCACCAAA | 10020 |
| ACCAGCGGCC | TAAGCTCACG | AGAAAACAAA | CAAAATCAAG | AAATATGTAA | AACATGGCCG | 10080 |
| CTTTTATAGG | TAGTTCCTGG | GGAGTAAATC | CGACTTTTTG | ATTGGTCGGT | AGCAAATGCT | 10140 |
| AGTCAGATAG | CCAATAGAAA | AGCTGTACTT | TCATACCTCA | TTTGCATAGC | TCTGCCCACG | 10200 |
| GATGACAACT | GTGCAGTTTG | TCTTCCAATT | AACTAAGAGG | TACTCTCCAT | CCCTCATTAG | 10260 |
| CATAAAAGCC | CTATAAGTAG | CAGAAATCCG | CTCTTTACTT | TCGACACATT | TCTGGTGTTT | 10320 |
| TAAGATGCCT | GAGCCAGCCA | AGTCTGCTCC | CGCCCCGAAG | AAGGGCTCCA | AGAAGGCAGT | 10380 |
| GACCAAAGCG | CAGAAGAAAG | ATGGCAAGAA | GCGCAAGCGC | AGCCGCAAGG | AGAGTTACTC | 10440 |
| TGTGTACGTG | TACAAGGTGC | TGAAACAGGT | CCATCCCGAC | ACTGGCATCT | CTTCCAAGGC | 10500 |
| CATGGGCATC | ATGAATTCTT | TCGTTAACGA | CATATTTGAG | CGCATCGCGG | GCGAGGCTTC | 10560 |
| CCGCCTGGCG | CATTACAACA | AGCGCTCGAC | CATCACCTCC | AGGGAGATCC | AGACGGCCGT | 10620 |
| GCGCCTGCTG | CTTCCCGGAG | AGCTGGCCAA | GCACGCCGTG | TCGGAGGGCA | CCAAGGCCGT | 10680 |
| CACCAAGTAC | ACCAGCTCCA | AGTAAACATT | CCAAGTAAGC | GTCTTAACAC | CTAACCCCAA | 10740 |
| AGGCTCTTTT | AAGAGCCACC | CAGATACCCA | CTAAAAGAGC | TGTGGCCAGA | CGCCAAATTT | 10800 |
| TATTTGGCGG | CGGAGGGGTA | TTAGAATATA | GGAAGTGGAG | AGGGGTGGGG | ACAAGTGTTG | 10860 |
| CAGCTTAGAG | AGGGACAAAG | GGTCCTGAAC | CCGAAAGAAG | CCAGCCATTA | AAAATGGCTT | 10920 |
| TGGGGTCAAT | TCGTTGTGCT | TAAATTTAAA | ATGGAGACAA | GCGGCCATTT | TGCTAACTCG | 10980 |
| GCGTTCCCGG | AAGAAACCGC | AGGCTCGCTT | AGGTTTCAGA | CCCAGCTGTC | TGTCCCTGTC | 11040 |

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| TACGTCGCCA | GGATCAACGG | TTGCCGTAAT | GTCATAATTT | CGCCACCAGC | TTCTAGCCAA | 11100 |
| TAGGCTGTCC | TGTCATTTTA | AATATTAACC | AATCGAGGGA | AAGCTGTTTT | GAGACTCTGA | 11160 |
| TTTACATAGC | GGACCGGAGT | GGGAACCTGG | GCAGTAACTG | CCTAAGGAAG | GACTCCCCCT | 11220 |
| CTGTTTTTCGT | GGCGCACACC | TTCGTAGTAT | ACTGAAGGGT | GTGTCTCCTG | GGTTTCCAAC | 11280 |
| TGCCCCGGTA | ATAGTCTTTT | AACCTAATAT | GCGTCAGTTT | TGATAACAAC | ACTAAGGCAG | 11340 |
| TACAGAACTA | AAGATGTAAG | CACTGCGCCA | GATGTTGCTT | CATACATCTT | ATTCTATTCA | 11400 |
| ACTGGTTTAT | TCAAGATTCA | AATCAAATCA | AATTTTGCTT | GAATCCCAGT | GCTCAGTCAG | 11460 |
| CCATAAATGG | TGTGTTGCCT | GATTGAAACT | TAAAATCTCC | GTAGGGGGCT | TGTAACATGC | 11520 |
| AGACAAGTTT | GAAAGTTGCT | TTAGGAGAAG | CCAACTCTTA | ACTGCTGGGT | AAATTGACAA | 11580 |
| GCCTTCGAAC | ACTGAACTGA | AGGCCAGTAA | GGACTAGGCG | CTGGGTGGGG | GAGAATGAAG | 11640 |
| AGGAGACGTC | ATTAAACTTA | GCACATACAC | TGTATCTCCT | AGAGGACTCT | CCCTTCCTAG | 11700 |
| ACAACTGCAG | GCCGCTTTGT | GGCCTGGGAA | ATTCCACATT | CCCTTAAGTA | TTTTACTCAT | 11760 |
| GGTCTTTTCC | AGGTAAAGAT | TTTAAGATGA | AGGGTTAGAC | GTAGTCTACC | TATCTTTTTTA | 11820 |
| TTCAAGTCTA | GAACACGTTT | TTAGCACCTA | GAAGTTTGCT | TTCTCCATTA | AAAACCGGGA | 11880 |
| ATATACAATA | AATAAAATTA | GTGTAAAGC | AGATTTTAC | AACTTAAAT | ACCATGTAAT | 11940 |
| TTAGGTTACA | GTTATTTAAC | ATAAGGACTG | TGTGATCTTA | AATCTGCAAT | TTCTTTCACA | 12000 |
| CCTGGGAAAT | AAACTAAGGC | CTGTCTTTGG | TGCCAGACAA | GGCCTTATAC | TTGAACACTG | 12060 |
| CTGTGCAATC | ACAGGCTGCC | TTGCCTAGAT | AACTTATCTG | AGAAATTCTG | ATGAGAAATG | 12120 |
| AAATTTCCAG | AGTCCCTCAC | AAGTAAATTT | TTTTTCTTT | TTTTTTTTTT | TTTTTGAGAC | 12180 |
| GAAGTTTCTC | TCTTGTTTCC | CAGGCTGGAG | TGCAATGGCG | CGATCTTGGC | TCACAGCAAC | 12240 |
| CTCCGCCTCC | CGGGTTCAAG | CCATTCTCCT | GCCTCAGCCT | CCGGAGTAGC | TGGGATTACA | 12300 |
| GGCATGCGCC | ACGACACCCT | GGCTAATTTT | GTATTTTATAG | TAGAGACGAG | GTTTCTCCAT | 12360 |
| GTCGGTCAGG | CTGGTCTCGA | ACTCCGGACA | TCAGGTGATC | TGCCCCGCTT | GGCCTCCCAA | 12420 |
| AGTCCTGGAT | TACAGGCTTG | AGCCACCGCG | CCGGGCCTAA | ATGGTTTTTT | TTTTTCTAT | 12480 |
| GCCTCTAATG | GACCTGGTCA | CTTATTCCCA | TTCAGACTGA | CCGCTCTCCT | ACCTGCCAAC | 12540 |
| TAACTAATCA | GTGTAACCAA | AATCTGCAAA | CAAAATTCAG | TATTCTTTCC | CCGCCTTTTC | 12600 |
| CCCTTTCTCT | TACATAGATT | ATGTTTTTGC | CTGTGTTAGA | TGAAATAATT | CTATTGCTTG | 12660 |

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| TTCTCTCTTC | TGTACAAGTA | CCCAGTAAGC | AAATTATTAA | CTTCTTGGTC | ATTTATTTCT | 12720 |
| GAATTTTCCA | CCAAGACAGT | GTTTATGTGA | GTCATACAAT | AAGAACCAAC | AGAAATGTGT | 12780 |
| GTCTTGGA | CAGGTTGTCT | ATCCCTGGAC | CCTTTGAGTT | TTCTGTTTAC | TTTCCTTTGG | 12840 |
| CTTTTGCATG | CTAAAAGTTT | ATCGTCCGCG | TTTGTGTTGT | TTGGTTATTC | TAATTGGACT | 12900 |
| TGGCTGATTG | GTTGCATATT | GGTGGCAGTA | GTAGAATTTG | AATTCTGGTT | TTCTGGTCAC | 12960 |
| ATCATTAAGT | GATTAGTCAG | TGGAGAGGAC | AGGAAATCTG | GTTTATTTAT | TAACCTTTTT | 13020 |
| TTGGGGTGTT | TTTGTGTTGAA | GATGTTGATA | TTCTCTGTGA | GGACACAGGG | TTAGAGTTGG | 13080 |
| TGTTTTTCTT | TCTGACTTTA | CATGGGATTT | GATGTTTTGT | GCTTGTATGC | CTCTTTCCAC | 13140 |
| CTTCCAAAAC | TTGTCTTTTT | TGAGTCCAAA | TAGTTGTCTGA | TATCTGCAA | ACCAGTATTC | 13200 |
| CTGTGTTAAG | ATGATATGAA | TATAAAATGG | CTGCCCTGTT | ATAACTTTTG | ACTTTAAGAA | 13260 |
| AGTGTTAGGA | CTAACAGGAG | ACAAAAAGGA | AATCAAGGAA | ACCGAATGTC | TGGTCTCAAT | 13320 |
| AACTGCTATG | GCAGAGGCTC | TACAGCTTAT | TATTAATTTT | AGTAATTTCA | CATTATTGCC | 13380 |
| CCTTCACGTT | CTTTAAGTAA | GGTTAGAGGA | CAGAAGAAAC | ATAATGTTGT | TACAAATTGG | 13440 |
| ACTATTGAGT | CAGGGAAAAA | AAAGAGTGCT | TTCAATATCT | GAATAAAACA | AAGATTTAAT | 13500 |
| ATTTTCTAAA | CCTTAACGAG | TTTATTGTAA | GGGATGTGAT | GCTGGAAACT | AGGAAACTAG | 13560 |
| AATTTTCTTC | TAAACTGAGA | ATCAGAATTA | TTCATATTCT | CAGCAGTGGT | GCCACCTGAG | 13620 |
| GGACTTCTGA | TCTTAATTAC | ATACTTTTAT | TTCTTTAACT | GATCAACATG | CTAAATAGAT | 13680 |
| AACCTATGGC | TCTGTTTTTA | CCCACTTTAA | ATTCTGTTCT | ATTAGCACGG | TTAGCTTTCC | 13740 |
| TAATTGGCAA | TAAGATTGAG | ACTATCTTTT | TTTTTTTTTT | GAGACAGAAT | TTTGCTCTGT | 13800 |
| GGCCCAGGCT | GGGGTGCAGT | GGCACAATCT | CGGCTCACTG | CAACCTCTGC | CTCCAGGGTT | 13860 |
| CTAGCAATTT | TCCTGCCTCA | GCCTCCCCAG | TAGCTGGGAT | TACAGGTGCA | CCACCACGCC | 13920 |
| TGGCTAATTT | GTGCATTTTT | AGTAGAGATG | GGGTTTCGCC | ATGTTGGCCA | AACTGGTCTC | 13980 |
| GAACTCAGGT | GATCCACCTC | GGCCTCCCAA | AGTGATGAGA | TTACAGGCGT | GAGCCACCGT | 14040 |
| GCCCAGAAAA | GACTATCTTA | TTTTATGAAT | TTAAATAATT | GTGAAATTAT | CCACTTAAGG | 14100 |
| GAATTAATAA | ATTATAATGT | AATCTTAAAT | TTTAGTTGGC | TTACATAAAG | ACTTAAAATA | 14160 |
| CATCAATTTA | AATAAAAACT | CATTTGTCTA | AAAAAAAATC | AAAAATTTTC | CTTGTGCTTT | 14220 |
| AAATGTGCTA | CCTCTTTAAG | TTCTAATTAA | GAGAAAAAAA | GTTTAACTGT | GAGTTTCATT | 14280 |

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| AGTGGTCTTA | GTTAACAGCT | TAAAGTATTT | TGTAAAAAAA | ATACTTCACA | ATTTTTAAAT | 14340 |
| AACTTAAAAA | TATTAATACC | TCTTTTATTA | GGTTTTTTTA | ATAAGGAAAA | TATATAATAC | 14400 |
| ATCTAATCAA | GATTTTTTTT | GGACAAATTG | GCTTAATAAT | TTCATTTTAA | AAATGGCTTC | 14460 |
| TTTATTCTTA | TACTGTAAAA | ATAATATTAG | CAGAATATTA | TAGTATACAC | AAGTTTAGGG | 14520 |
| TTCATATTCT | AAAAAACAAA | AACAAAAGCT | AATTTAACTT | GCATTTACTA | AATTTCTTCC | 14580 |
| ACTAGTTGTA | CTGGTTACAT | GAGTTAACAT | CACTTTATTT | ATTATTCTAA | AATTGTAAAT | 14640 |
| TATTCATTGA | ACCAAATTAA | ATGATAATAG | ATAATGTCAT | TTTTAAAAAT | GGAATTAAAT | 14700 |
| TTTATGTTAC | TAATTATAAG | GATTCAATGT | GTGAGCTTAA | GTACTGAGTT | CACAGTGTAT | 14760 |
| GATAACTTTA | AGAATTTAGG | TGAATATTAT | TAAATTGAGT | AAATTAATTC | TCAATCTTTG | 14820 |
| GATACCTGGA | CAATTTCTAA | ATTGGAGGGT | ACAAAATACA | AATCACAAGA | AACAGTGTAG | 14880 |
| TTTTATGCAA | ATAACATTTT | TACACAGTTT | AGAATAACCA | TTGATAAACA | GATAAGAGAA | 14940 |
| CATATGATTG | CCTTAGAATA | GATACTGTTG | CTTTCGCCAC | TTTAGATTTG | TAAATCACGT | 15000 |
| ACTGTATACG | TGTGGGCGTA | GAGGACCATG | CAGGTTTTGG | ATGACTGCCT | CTGTTTTCGT | 15060 |
| CATGCCTATG | CGGGAACACA | ATTGCCTGCT | TTGTTTAAGG | GCTATGGTTA | ATCCAAACAG | 15120 |
| CTCTGACTCT | ATCAAGTACT | ATAGCTACAG | AGAAACACAA | GTAAGCATTG | GAGATAATGA | 15180 |
| CTACCTTGAG | CCTTTACTTA | TTTAAAAGT | TGTTACTGTT | TGTTAATGTG | GTACATTCAA | 15240 |
| TTTACTATGG | ATTGTCACCT | TAAAATAAGA | CTTCAATCTT | TTTCTTATTT | TTATATAGCC | 15300 |
| ATGATTTATA | TTCATATCTT | AATGTAATAA | CCAATCTTCT | CTGACAACAT | TATAACAATG | 15360 |
| CTGGAACCTC | CATTTTCAGT | ACTTCAAACA | ACAAATACTG | CTTTTATACT | TCAGAGCAGA | 15420 |
| TGGATATGTG | CTTCCCAGTG | TAAACACATT | TGGAATCTCA | CTGAGAAATA | CACTATCACT | 15480 |
| AAAAATACAG | TTCTGAGATT | CATTAAAAGA | CCTCCAGAAT | TCTGGAAGTA | GGAAGTTTCC | 15540 |
| TCTTCAAAGT | CTACAGAGGA | AGATGAGGTC | TGAAATAGAC | AGCTTCTTCC | TTCTTTTACC | 15600 |
| TGTGGTATTA | TTCTGTTTTG | TCCTTTTCTC | CATTATCTGT | CTTTCCAGTG | ATGAAATTTT | 15660 |
| GATCTGGCCC | TCCAAGTAT | TAAAAAACAA | GCAAATAAAC | AAATCTCAGT | TATATTTTAC | 15720 |
| TAAGATATTG | GCATGCTAAC | TTTTTGCAGG | TTTGTAAACA | GGACCTTTAT | AACTTGACTA | 15780 |
| AAAGTTCCTA | AATAAGAATA | TTTACTAGAA | AATTTATTTT | TGCCTGTGGC | CCACATTTGA | 15840 |
| GTCAAATAAA | TCAATTAGGA | AAAATGAACT | TGTTTAACTA | AAGTTGACCA | AACTGATCTT | 15900 |

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| TGACCAAAC | GATCTTTGAG | ACCTATTCAT | CTAAGACAAG | CCAATTAAAT | TCTTGGAGAC | 15960 |
| AATTTGTACT | TTAAGGAATT | CTTATAATAT | TTGTAATTAC | CCTCATAACT | TTTTTTTTTG | 16020 |
| CCCTACTTCT | GTGCTTCTCT | AATATGCAGA | TTATTAAATG | TTGTTACAAA | GCCATTGTCA | 16080 |
| AAAAAACAAA | AAACAAAAAA | CTAAACAAAC | TCACATGGTT | AGACTTGCTC | CTTTATGAGA | 16140 |
| TATTTTTACC | AAAAATGGAG | GAGTTGAAAA | ACTCTGGTGC | CAGAAATCGT | GAAGACATGG | 16200 |
| CCTACCTAAC | ATGGAAATGT | TGGTTGTCAG | TGGAAAATAC | TACACAGAGA | TAGCCATAGT | 16260 |
| GCTGCACAGC | CAATCTTAAG | TGTTTCTAGA | GAATCACTAA | TTGTTTCTAG | AGAATCACTA | 16320 |
| ATTGTTTTCT | TTTAACATTC | TTGGTTTATA | CAAGAAGAGA | GATCCATAC | TAAACTCTTT | 16380 |
| TCTACTGAAA | ATAATGTGCA | AACATAACAT | CCTATTCCTA | GACAGTTTGT | AGTTTTTTTC | 16440 |
| TCCCATTCT | ATTTTATAAA | TCATCTTTTT | AAAATACTTT | GTTGAGTGAA | ATCAGTCCAT | 16500 |
| TGCTTGATAT | ACCTTGAGCA | CAAGTAAATA | GTATGCCAAA | AATTAAATGT | CTTTCAGTCA | 16560 |
| CAGTTTGACA | AACTCAACTA | CCCTGAGCCT | ATAGAGTGGT | AATAATTGCC | CTACTCATAA | 16620 |
| AGATGGGGTG | AAGATTAAAT | GAAATAGCAC | CTATAGAACA | CTAGTTCCAG | ACGTGGTATC | 16680 |
| ATGCTAGTAA | AATGGCTGCA | CAGCACTGCT | CAATGATGAC | AAAAAGTGAA | GCTTCTGGAG | 16740 |
| ACAGACTCCA | AGTTTGACTC | CCAGATCACC | ACATATAAGA | TGTGGGACTC | TGAGGCAGGT | 16800 |
| CATTTAATCT | CTCTGTGCAT | TAGTATCCTT | CTCTATACCT | TTACAGTGAT | GGTAATAGCA | 16860 |
| CCTACCTTCT | AGAAGTATGT | GAAGATTAAA | GATCCTTAAT | GCATATAAAC | CACTGTGTTT | 16920 |
| ACTGCTGTTT | GACAAATTTT | ATTTATAACC | ATCTTTACGC | TCCTAAAAGG | ACTTGAAGCA | 16980 |
| GCTTATGACT | GAAGACTTTG | GTAGGAGTTG | GCCTTCTATA | AATTATAAGA | ATTTCATAAA | 17040 |
| TTATTTGATA | TGAAAATGCC | AGTTGATCAT | AGTATGTTTA | CCGGGGTCCA | ACAGGTTGAG | 17100 |
| AAAAAATACA | CTTTTTTTCC | CTGAACATAT | GAAATTAGCT | CTCTAGGCAT | ATTCCTAAGG | 17160 |
| ACTTAAAGAA | TGATAACTAT | CATTTCTCTT | AAATCTTCCA | GATTTGGAAG | GATATATATA | 17220 |
| TTCAGCACAT | TGACAGACAA | TCCCAGTAGT | CCTAAATTAA | AAGACATTAA | AAATTAGTGA | 17280 |
| AACTTTTCCT | ACCTTTAGCC | TGTGTAATCC | TGGATGACCA | AGCATAAAAT | TAAATTGAGT | 17340 |
| AGAGTATACC | ACTGTAACAT | TTCCTGAAAG | GTATTCTAGG | CTCTGAGTAA | TTTCTTTGGG | 17400 |
| GTCTGAAGAT | CAGTTTGACA | TATCCTCAAG | TATCATGAGT | TCATTATAAT | TAAGAAAAAG | 17460 |
| AGAGTAAATC | TGGAGAATGA | GCCACTTTCT | TACTACTCCT | TGACCTCAGT | TCTTTTTTTC | 17520 |

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| AGAGACAGGG | TCTCACTTTG | TTGCCCAGGC | TGCCAGGCTG | GAGTGTAGTG | GCGCAATCGC | 17580 |
| ATCTCATTGT | AACCTCCACC | TTCTGGGCTG | AAGCCATCCT | CCTGCCTCAG | CATCCTGAGT | 17640 |
| ATCTGGAACC | ACAGCAGGTG | CACACCACCA | TGCCAAGCTA | ATTTTTTAAA | AAGTTTTTTG | 17700 |
| TAGAGATGGG | GTCTTACTAT | GTTGCCCAGG | CTGGTCTCAA | ACTCCTGGGC | TTAAGTGATC | 17760 |
| CTCCTGCCTC | AGCCTCCCAA | ATTGTTGGGA | TTACTAGTGT | GAGTCACTGT | ACCCCGCCCC | 17820 |
| ACTTCAGTTC | TGAGGAGGAA | AAAATATGTA | ATAATAATGG | GACTTTGGTT | TGCTGATTTA | 17880 |
| AAGATTCATG | TAACCTTATC | ATCCAATGCG | CAATTTGTAG | AATAATTAAT | AGAGACATCT | 17940 |
| GGTCTCATGT | TTCTACAGTT | GCTCATGCCT | TGATAGTAGA | TCTCCTTGCT | GCTGGCTCAG | 18000 |
| AAGGGTAAAA | GAGCAGAAAT | GATGGGGCTT | CTCTCATTCT | ATGAGGAAAT | AGACCTATGT | 18060 |
| AGAGGAGGCT | ACCTGTGGTA | AAACCTTATC | CTCATCACTT | AAAATTCTAG | GCTTATTCTC | 18120 |
| TGACCATATC | AAGTTTTCAA | ATGGTAAAAG | AATTGGATTG | AAGAGAAATA | TGAATAAACT | 18180 |
| TTTGTTTTCA | CTTTTCTCCC | TCCTCTCCCC | CCATTCTCCC | TTCTTTTATT | TTCTTGCTCT | 18240 |
| TAGTTTTCTT | TTCACTTTTT | TGTCTACTAT | TATTTGCCCA | AACTCAACTG | TAGGCTAGAA | 18300 |
| CAAAAAAAAA | TTGAAAATTA | AAATGTGCCC | CTTTTGTTGT | TAGACTTGCT | TAAACAATTG | 18360 |
| GGGTAATGAA | CCTTGGACAC | TAGATTTTAA | AACACACACA | TTTGAGCTTC | AGTGCCTGA | 18420 |
| AATAAATATA | TTTTTAACAA | TTAAAAAATA | AAATTGCATG | TTTAAAAAAT | CTGCAGAGAA | 18480 |
| CAATACACGT | TGTGAGATCT | TGAATGGAAG | GAAAACTGCT | AGCCTCAAGA | GTGGATCAAA | 18540 |
| GATGCTCAGC | AGGCAACAGA | GTAAGAGCAT | GTTGGAGGGT | TTAGAGAGTG | TGCTCAGGGT | 18600 |
| TCTAGGCTCT | AAAAATCAGA | CAGTCCCCAC | GGCCTGGCCT | TCGTCGCTGT | ATCTTCTTTA | 18660 |
| TGAAAAACAC | TAAGTCTTTT | TCCTCACTGG | ATAAATTTTT | ATCCTTCAAG | TTTAGATCAA | 18720 |
| ATGGAACCTT | AGGACACTGA | CTAGGTTACA | TTCATCTTTT | AAGAGCGTAC | AGACATTCAA | 18780 |
| GGGCTAGAGG | ATGTGGGTTT | ACTGCACAGG | CTCATTATCC | AACAGCTGTG | CTACCTGGGA | 18840 |
| AACTTAACCT | CTCTGTGCCT | TAATTTCTCT | ATCTATAACG | CAGGGAGAAT | GACAGTAGGT | 18900 |
| ATCTCATAAG | GTTGTTGGAA | CAACTAAATG | CATTGGTATC | TATTGTGTAA | AGTGCTTAAA | 18960 |
| AACTGCCTG | GCACAGAGCA | AACATCCAGT | GAACCTTAGC | CATCATCATT | ATCATTGTTC | 19020 |
| TCAGAGTCAA | ATACAATATC | TCATATCTGA | TAAATTACAG | AAGTGAATCA | ATCACTCTCT | 19080 |
| CTCTTTTCTC | CAGGGGGAGA | CAACAGCTTT | TAGACATATC | TTTTCCAACA | GTCGTCACTG | 19140 |

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| CTGGACACTG | TTTCATCTTG | CAAATAAACC | AATGAAAATG | AGTGATCCTA | GAAGAAGATA | 19200 |
| AATGGAGGTA | TTTTGAACAA | TCAAAGAAGG | ACAAATGAAC | ACCTGGCTGA | GAAAAATTAG | 19260 |
| CTCTTTTTTC | TATGCATAAA | ACTATTAAAA | TATTCTTCAT | AGAAATTTAT | GACACAGGAA | 19320 |
| ACATAAAGAC | AAAATTAAAA | TAACTCCTAG | TATCTCCTAT | TCTTTTTATA | TGTATATTAT | 19380 |
| ATATACTCAT | ATTCATATAT | ACATATATCT | CACATCATGT | ATCATATATA | AAATAAATTT | 19440 |
| AGGTGTCATG | ATATATATTT | AGATAAATAT | ACTTAGAAAC | TTTTTTATGG | ATGTATAATT | 19500 |
| TATGGATATA | TTGATAATTA | TGTATTTGTT | ATTGACTACT | TCAATTGATT | CCCATTTTTA | 19560 |
| TGCATTATAT | TATAGATTAT | ATAGCTCACA | CATCTTTGTA | CATAAATCTT | TGTTCAAATA | 19620 |
| TTATTTCTTA | AGGATAGACT | TCATGAAGTG | GAAATACTAA | ATCAAAGTG | AAAAACATTT | 19680 |
| TCTAAGGTTC | TTAACATATA | CATTGCCAAA | TTGCTATTCA | GGATCATACC | AATTTATAAT | 19740 |
| CCCAAATAA | TATGGAAATT | CCTGTTTTAT | AGCACTCATA | TTTACAATAA | ATTTTAAAAA | 19800 |
| TCACTGTAA | CCTAATAGTC | CTTCAAAGA | AAAAAAATT | GAAATTACAT | TATTTTAATG | 19860 |
| ACTCTATTAG | TGAGGGTCAT | TCTTCCCATG | TTTCTTGTTA | GCCATGACCC | TATAAGAAAT | 19920 |
| AAACTGCACT | GCAAAATGAT | AAACATGACA | TCAATCATT | CATGGGAAGG | CACTATATAA | 19980 |
| AGAATAATAC | CTTAGGTAA | GGCCACATAA | ATATTTATCA | GGTGCCTTTT | CTGCGGAGGA | 20040 |
| CTCTGAAGGG | ATACTAACT | GCATTTAGCT | GCATGCAACT | GAAACTACTT | TTACCTACAT | 20100 |
| TGTCTCTTAT | AAACATTATA | ACTACTCTTT | GAGAAAGTGT | TTACTATGGA | CTGAATTGTC | 20160 |
| TCCCCATCCC | CCCAAATTCA | TATATTGAAG | CCATAAACCC | CAATATGACT | CTATTCTAG | 20220 |
| ACAGGACTTA | TAAGAGGTAA | TTAAGGTAA | ATGAGGTCAT | TAGGATGGGT | TCCTAACTGG | 20280 |
| ATAGGATTGG | TGGCCTTATA | AGAAGAGGAA | GATTCTGCAC | TTGGTCTTCC | AAATTAAATA | 20340 |
| ATTTATTTAA | AAGAAAAAA | AAAAAGAGGA | AGAGAGGGAG | CTCTGCACAT | ATACTGAGGA | 20400 |
| AAGGCTATGT | GAGCTCTCAC | AGTGAGAAGG | TAGCACTCTA | CAAGCCAGCA | AGAGAGCCCT | 20460 |
| CAACAGAATC | CAGCCATGCT | ATACCCTGCT | CTGAGACTTC | CAGCCTCCAG | AACTGTGATA | 20520 |
| AAATTTTGTT | GTTTAAACCA | CACAATCTAT | GGTATTTTTT | TATGGCAGCC | CAAGCCAACA | 20580 |
| AAGACAGCAT | CATTGCTGTC | ACTTACAGAC | AAGAAAACTA | AGACTAGGAG | AGAGAAAAGT | 20640 |
| TAAACTTGTC | CAAGGTCACA | AAAGCCAGAA | ACAAGTGAGG | TGAGAAGTTG | ACCTTGTTCT | 20700 |
| CCTCAATCCA | AGGCCAGGAC | TCCTCCACTC | CACATGTAGA | TAGCCACCTC | ACAGTCAACA | 20760 |

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| GCCAAATGTC | CACACCCCAG | AGTCAGCATT | AGACCAAGAT | GTCTTACCAG | GAGACAAATG | 20820 |
| CCTCATCTTG | AATAAATATG | ATCTAACAAC | TTACCCATGT | AAAACATTGA | ATCTCATGAG | 20880 |
| AAACAAAAAT | GCAAAGTATG | TAGAAAACTA | TGTTTACCAC | TTAACTGACA | GTGATAAAAA | 20940 |
| GCTTAATGAT | ATCCTTATAG | TCTTGAGGGG | GTTTGTATAT | GTGGTGAAAC | AGGTGCTCAC | 21000 |
| GCACTGCTGA | TAGACTGTAA | ATTGGTCCTA | GAGAGAAAAA | TAAATAAACT | GGAAGGAGAT | 21060 |
| ATGCTGTATG | TTTACTTTTT | TTATGGAAAC | ATATGATATA | CCTGGAAATT | CGATTGACCA | 21120 |
| TGCATCTATT | TCTTCAATGG | GTATGCACAG | TTGAGCTGTT | CCCATGCACC | AGGCACTGTA | 21180 |
| ATGGGACAAC | TGCACATGAC | AGTCAAAAAT | CTCAGTCTCA | TGAAGTCGAC | ATGCTCATGG | 21240 |
| AGAGGTGCTA | CCCACTAAAC | TAATATTTGT | ATATCAATTA | TGGATACATT | GGGCCACATT | 21300 |
| TACAGAAATT | CACTTACAGT | GGGTTACCAG | AAGGGATTTT | TTTTCTTGAT | TGGCAAGAAG | 21360 |
| GCTAGGCTGT | TTTGTGGGGG | GCTGGCAGGA | GCTGTCTAGG | CTGCCCCAGT | ATGCAGGTCT | 21420 |
| CTTCTATCAT | CCTGTGTTAA | CCATCTTCCA | TGTATCTTTC | AACCTCATGG | TCATCTGCAG | 21480 |
| CATGTCTAGG | GGTCATATCT | ATGTTCCATG | CAGGAAAAAA | GGGTAAAGGG | AAAGGGAAGT | 21540 |
| AGGCATGTAC | CATTTTAATG | CACACCTTGG | TTTTCAGAAA | ATTTAAGAAG | AAAGACTTTC | 21600 |
| TGCTTTTCTC | TGACTATTCT | GTATTCTGGA | TTACAACGCA | ACAGAAACGT | CACCTTAAAT | 21660 |
| TCTAATGTTT | TTCTCTCCTT | GCTTTCAAAA | ACTGACTCAT | TAACCTCCAC | GTGGCTTGGA | 21720 |
| AAAATTATTT | CAGTCATCCA | GTAATGAGCT | GTTCATAGAA | ATGTTTTGGA | CATCAAGTCT | 21780 |
| GTGTTGTTAG | CATTATACAT | GTTAAGCATT | GAATAAAAAA | CAACATGATG | TGGGTAAATT | 21840 |
| TCTTTACTTA | CATATAAGTA | CTTATATACT | TATAGCTGAA | AAGAGAGGTT | GAAATGTCAG | 21900 |
| GTGGAACAGA | AATAAGATTA | CCTAGATGTT | TCTCCTATGG | GTGATTTTCA | GCTATGCTGA | 21960 |
| TCTTTCTTCT | GGGTCAGGTA | CTCCCAGAAC | TTCCTAATTA | AATGGTGGCC | CTGATCTTAG | 22020 |
| TTCTCTCTC | CTCTTAGACA | TTTTCCAGGA | CTACAGAAGA | TGTGCAGTTT | ATAAATGAGT | 22080 |
| AGCAGAAACC | TACTGAACAA | ATTATTCAGG | CTCATCTGAA | CAGAGAGGAC | ACCTTCTCTG | 22140 |
| CTATACTCTC | TCAGTGATTT | CCCTGCCTTG | GGGTCAATTA | TTGTCTTGGA | CATTGATTTA | 22200 |
| AGCACATAAT | AATTGTTGTC | ATTGCTTATG | TTTGGATTTT | ATCTCCCAA | ATAGATGGTA | 22260 |
| AATTCTTTAG | TTTAGAGACC | AAGTAATACT | TAAAAAATA | TTTTGTGTGT | GTGTGTGTGT | 22320 |
| TTTTTCTGTG | TCTCTCAGCC | CTGTAATAGC | ATCGTACTTA | CACTTGTTAG | ATTTTTAGAG | 22380 |

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| ACAACTTTTA | CAAAACATGG | AATTATCTAC | ATACCCTTTC | TACAAAACAG | ACAAATTAAA | 22440 |
| TACTCAGTAG | TTGAACCAAA | AAAAGCAGTT | CAAATAAAAT | ACTTGAAAAT | GAAGAAATCA | 22500 |
| TTTGAACAGA | GTTAAAGTTA | ATCGTAAAAT | AATGTCTGTA | AAAATTATTG | CCAATCAAAT | 22560 |
| ATAAAGTTCA | AAAATAGTGC | TTGAAAAAGG | AAGAATCATA | TGAAAAGGGA | CTACTCATTT | 22620 |
| TAAAAATGTT | AGATATCAGG | AAAAGCCAAG | AAGTGAGTAT | GGTAAGAGTG | CTGTCAAGTG | 22680 |
| AAACCCTGCT | AATCTCACTG | AACATGTAAA | AATCTGTAGA | TGCCTTTATT | TTATTCACTC | 22740 |
| ACACACATAT | GTAGAAAGAG | AAATATATGG | TAAACATTAA | AAAAACCAAA | TTAGAATGTA | 22800 |
| AAATTAATAC | TTTAAAAAAT | GGGCTGTATA | CTTTTCTTAT | CACCGGAGAT | AAGAATTTAT | 22860 |
| TATTTTTTAA | ATAAAGTTAT | TTTCTCTGTG | ACTGTTTCCA | TGACTTTGCT | ACTTAGAAGT | 22920 |
| TAGAGATGCC | AAAGTTTATC | TAAGAAAATG | TTTATGGAAA | TATTATTTCA | ATAATGAATG | 22980 |
| TTTAGAAGAC | TGAATTTCTT | GACTGGGCGC | AGTGGCTCAT | GCCTGTAATC | CCAGCACTTT | 23040 |
| GAGAGGCTGA | AGAAGGAGGA | TCGCTTGAGT | CCGGGAGTTC | AAGAGCATCC | TGGGCAACAC | 23100 |
| AGCGAGACCC | TGCAGCAAAG | TAAAAAGAAA | AAAGAATTGA | AAAAGGAAGA | CTGAATTTCC | 23160 |
| TTTGGGCAAG | TCATGTGACA | TTCCTGTGCC | TCAGTTTCTT | CATCTATAAA | GTTAATTCCT | 23220 |
| ACATTTTTTG | GGAAGGGAGA | GAAAAACTTA | GGATAGTGAC | TGGCACAGAA | GAAGCACTAT | 23280 |
| ATACTATATA | TATGTGGATA | TCATTTGTTT | TTATGGTACC | ATTTTAGCTA | TCTAATGCAA | 23340 |
| AATATGAATC | TTTTTTTTCT | GGGTCTTAAA | TTATGGAATG | TAAGAATTTT | CTAAATTCTC | 23400 |
| TAATTCTGTG | TTAGTTTTAA | AGCAATGGAG | TAACGTATCT | GTCAACTTGT | AAATATAAGG | 23460 |
| ATCAACCTGA | TCCACAATTT | GACCCCTAGC | CACTAATATT | TAATAGTACA | ACACTCAGAA | 23520 |
| ATTATCAAAG | GTCAGAGAAG | CCAAACAAAT | GTAAAAACAT | ACAGGTGCTC | AGAAAGATGC | 23580 |
| ACCTGTAATC | TCTCTAAGGA | GAAATATTTT | CCAAACTGAG | TGACACGGTG | CTTTAGTGAG | 23640 |
| TTGTGGAATC | AATCTCATGA | TTTCCAACCT | AGTGTTCTTT | TAAAAATGAA | CTAGTCCACA | 23700 |
| GTAGAATATA | CTAAAGTGCT | GGTGCTTAAG | ATAGTATTGT | TTTCTGGAAA | AAAAAAAAAA | 23760 |
| ATTTTTTTTT | TTTGAGACAG | GGTCTCGCTC | TTGCCCAGGC | TGAAGTGCAG | TGGCACAATC | 23820 |
| ATGCTCACTG | CAGCCTTGAC | CTCCTGGGCC | CAAGTGATTG | TCCCACCTCA | GCCTTTTGAG | 23880 |
| TAAGTGGGAC | CACAGGTACG | TGCCACCACA | CCCGGGTAAT | TTTTTAATTG | TAGAGACAGG | 23940 |
| GTCTTGCTAT | GTGCTTAGGC | TGGCCTTGTC | AACTCCTGGG | CTCTAGTGAT | CCACTAGCCT | 24000 |

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| CAGCCTCCCA | AATTTATGGG | ATTATAGGCA | TGAGCCACCC | TACCTGGCCT | GTTCCCTGAA | 24060 |
| TTTTTTTTTC | TTTCAGGTGT | TTGTGCATAT | GTGTGTGTGT | ATGGGTATAA | CAGAGAGACA | 24120 |
| GAGAGAAAGA | AACTTTTCTA | TCTCACTTTG | CAATCAGAAG | TTTGAAGTCT | TATCTTTTGG | 24180 |
| CTTTTGTTTC | AGAAATATTT | CAAATGTAGA | CTCTCTCCTT | TACCACACTG | TCCCCTTAGG | 24240 |
| CAAGGTCTTT | GCCATTCTTC | TGAGACTATT | GCAACAGACT | CCCAACTTCT | GACTGTGGGC | 24300 |
| CCTTCTCAAA | AATGATTGTT | TATGCAATAA | ATCTAAACCC | AAGACAACCTA | CAACAATACA | 24360 |
| ACAAATTCTC | TGCTTAAAAA | CTTCCAATGT | CTGCCGGGCG | CGGCGGCTCA | CGCATGTATT | 24420 |
| CCCAGCACTT | TGGAGGCAGA | GGCGGGCAGA | TCACTTGAGG | TGGGGAGTTC | GAGACTAGCC | 24480 |
| TGGCCAACAT | GATGAAACCC | CATCTCTACT | AAAAATACAA | AAAATTAGCC | AGGCATGGTG | 24540 |
| GTGGGCGCCT | ATAATCCCAG | CTAATTGGGA | GGCTGAGGCA | GGAGAATTGC | CTGAACCTGG | 24600 |
| GAGGTGGAGG | TTGCACTGAG | CCAAGATCAC | ACCATTGCAC | TCCAGCCTGG | GCAACAAGAG | 24660 |
| CAAACTCTG | TCTCAAACCA | AACCAAAACA | AAACTTCTAA | TATCTACCAA | ATGTTTCACA | 24720 |
| CAAGTATTTG | GGGATCTTCA | CAAATGGCCC | TTATGGAGTT | TTCTTTTGCT | GAGACCCTAT | 24780 |
| GCTCTGGCCA | CACTAAACTC | ATTCAGCATC | CCAGAAAGGC | CTCAGCCTTT | GTGAGCAAGC | 24840 |
| TCTTATCTCC | AGGCCTCTCA | CAAAGACCTG | TTCCAGTAGA | AGCTCAGGGG | AGCACACTGG | 24900 |
| ACATTATTCC | AACAACCCTT | TCCCCACAGC | TATGCAGCCA | AATCTGCCAG | CTCAGTTAAT | 24960 |
| TAATTAAGCA | ATTCAGAGAT | GAGGGTCTGC | CCAGGCTGGA | GTGCAGTAGC | TGCGACCTCA | 25020 |
| AGCTCCTGGG | CTCTAAGTGA | TCCTCTTCAG | TCTACCCAGA | AGCTGGGACT | GCAGGCATGT | 25080 |
| GCCACCACAC | CCAGCTAATT | TTTTTTTTTT | TCAGTAGGGA | CCAGGCCAAC | CTAGTCTTGA | 25140 |
| ACTCCTGGCC | TCCAGCCTTC | CGAAGTGCTG | TAATTACAGG | CATGAATCAC | TGCGCCCAGC | 25200 |
| CAACCCGCCC | AGTCTTGTTA | GACATGGGGT | CTGTAGTTTC | TAGTAGGTTC | TTGAGTCTAG | 25260 |
| GGTTCTTACC | TCATGTTTTA | TAGTTAATTT | AGGGGAGGGA | CTGTGTCTGT | TTATCTGGGG | 25320 |
| ATGTAGGGGT | GGGAGGGGG | ATAGAGGGGA | CTTCAATTAA | TGAAACCAGA | AGCAAAACTC | 25380 |
| AGTTGAGGAC | ACCGGTCATG | AGAGTGGCCT | GATTATGGCC | AATCTTACAT | AATGTGTGAG | 25440 |
| ATCTTGATAT | TACCCCATCC | TTGAGAGTCC | TCTATAAAGC | TACAGGGACT | TGGGAGCACC | 25500 |
| TTTAATTACA | GACAACCCAT | GTTCTGTGG | ATTATGATTT | ATTAGATTGC | ACATGCCTAA | 25560 |
| ATAAAGACAT | CCTCTGCAGT | CTTTTGACAA | TTCTATAAGC | ATCTTCTGAC | TCCGCAATTA | 25620 |

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| GACAGCTAAG | AGATCTGTGT | TACTTCCCTC | ACATATATAA | ATAATTTTAA | ATAAAAATCA | 25680 |
| TGGCGTGAAT | AATTTCTTTC | CTCTACCGAT | TTGAAGCTAT | CCATTTGGAA | GACCACTCTG | 25740 |
| AAGAGATGAA | ATAAGTCTTC | TGCCAAAGAT | TACTTATTAA | TTTACAAGGA | AAAGGGGAAG | 25800 |
| TTTTGTTCCT | CTCCGTGAAT | TTGATTGAAA | ATCGAGGGCT | TTCTCGAATA | GTTTTGGCAT | 25860 |
| CCAGGGTCAT | TTTTCATTAA | AAAGAGAAAA | GTCATGTCAA | ATATGAATTT | CCGCAGATTA | 25920 |
| TTCAGCACTA | GACCCTGGGA | GATTCTGTAA | AGAGGGGTTT | TGTTATACTC | AACTTTTCCG | 25980 |
| GGTAAAACAA | ACACAAATAC | TCCTCCTCCA | AGGGGCGGGG | GCGGTGCCTA | GGTGATGCAC | 26040 |
| CAATCACAGC | GCGCCCTACC | CTATATAAGG | CCCCGAGGCC | GCCCCGGTGT | TTCATGCTTT | 26100 |
| TCGCTGGTTA | TTACATCTTG | CGTTTCTCTG | TTGTTATGTC | TGAAACCGTG | CCTGCAGCTT | 26160 |
| CTGCCAGTGC | TGGTGTAGCC | GCTATGGAGA | AACTTCCAAC | CAAGAAGCGA | GGGAGGAAGC | 26220 |
| CGGCTGGCTT | GATAAGTGCA | AGTCGCAAAG | TGCCGAACCT | CTCTGTGTCC | AAGTTGATCA | 26280 |
| CCGAGGCCCT | TTCAGTGTCA | CAGGAACGAG | TAGGTATGTC | TTTGTTGCG | CTCAAGAAGG | 26340 |
| CATTGGCCGC | TGCTGGCTAC | GACGTAGAGA | AGAATAACAG | CCGCATCAAA | CTGTCCCTCA | 26400 |
| AGAGCTTAGT | GAACAAGGGA | ATCCTGGTGC | AAACCAGGGG | TACTGGTGCT | TCCGGTTCCT | 26460 |
| TTAAGCTTAG | TAAGAAGGTG | ATTCCTAAAT | CTACCAGAAG | CAAGGCTAAA | AAGTCAGTTT | 26520 |
| CTGCCAAGAC | CAAGAAGCTG | GTTTTATCCA | GGGACTCCAA | GTCACCAAAG | ACTGCTAAAA | 26580 |
| CCAATAAGAG | AGCCAAGAAG | CCGAGAGCGA | CAACTCCTAA | AACTGTTAGG | AGCGGGAGAA | 26640 |
| AGGCTAAAGG | AGCCAAGGGT | AAGCAACAGC | AGAAGAGCCC | AGTGAAGGCA | AGGGCTTCGA | 26700 |
| AGTCAAAATT | GACCCAACAT | CATGAAGTTA | ATGTTAGAAA | GGCCACATCT | AAGAAGTAAA | 26760 |
| GAGCTTTCCG | GGAGGCCAAT | TTGGAAAGAA | CCCAAAGGCT | CTTTTAAGAG | CCACCCACAT | 26820 |
| TATTTTAAGA | TGGCGTAACA | CTGGAAACAA | GTTTCTGTGA | CAGTTATCTA | TAGGTTTAAG | 26880 |
| TTGTGATGCA | GCTGAGTTGA | AAAGGCTTGA | GATTGGAGAA | TTAATTCAGG | CCAGGCTTCA | 26940 |
| AGACCATCCT | GGGCAACATA | GCCAGACTAC | CATCTATACC | AGGGGTCCTC | ATTTCCCCGG | 27000 |
| CCACCGACCG | GTAACCGGTC | CCTGTCCATG | GCACGTTATG | AATTGAGCCG | CACAGCTGAG | 27060 |
| GGGTGAGCGA | ACATTAACCA | ACTGAGCTCC | ACCGCCTGTC | AGGTTAGCTG | CAGCATTAGA | 27120 |
| TAGATTCTCA | TAAGCTCAAA | CTGTATTGTG | AATGGCACAT | GCAAGGGATC | TAGGTTTCAG | 27180 |
| GCTCCTTGTG | ACAATCTAAT | GCCTGATGAT | CTGAGGTTGG | AGCAGTTTTA | GTCCGGAAAT | 27240 |

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| CATTGCTCCC | AGCCCCTGCA | CCCCCTGGTC | CGTGGTATAA | TTGTCTTACA | CAAAACGGTC | 27300 |
| TCTTGTGTCA | AAAAGGTTGG | AGACTACTGG | TTTTACAAAA | AAGTAAATTA | GTCAAGCATG | 27360 |
| GTTGGCACGC | TCCCTTAGTC | CCTGCACCCA | GGCGTTTAAG | GATACAGTGA | GCTATGATGG | 27420 |
| TGCTACCTCA | CTCCAGCCTG | GGTGACAGCG | AGTCAGACGT | TGTCTCAAAA | CTTAAAAAAA | 27480 |
| AAAAAAGTTA | AAACAGAAAA | AGGGCTTCTT | GTCAGAGACT | GCCGTATATC | TAGAGGTCCA | 27540 |
| GGAACATAAA | AGTCTGATGT | CCAATCCTGA | AAAGCTCGAT | GGTGCACTAG | AGGAGGCTTT | 27600 |
| TACATGTAAG | AGCATCTAAG | TTCTGGAAAT | GCCAGTGTCA | GGGAAGGGAA | GTGGAGAGCA | 27660 |
| ATTTGGCATC | CAACATAAC | TTGCTGATAC | TTTTTTTTTT | TTTAACACAA | GTACTACATT | 27720 |
| CTAGTCTTTC | TGTGGTGTCA | TTGTAAGTAT | TGTTTCTTAA | TATGCTATCC | ACTGACTTCA | 27780 |
| AGGGATCAAT | AAATAGGAAT | CAAGGTGTCC | CAGAATATGG | ATTAGGGGAG | TTTTTTTGTT | 27840 |
| GTTGTTGTTG | TTGTTGTTTT | TCATCTATTC | ATTATCCTGT | AGCTGAAATT | TAGAATTTTC | 27900 |
| TTCCATTGTG | TGTGACTGAT | AGAAATAACA | AATTTGTAGG | TTATAGTTGT | TGCAAGAATC | 27960 |
| TGGAAATCGT | GCTTGCTTAT | TTCCGAAGTA | CTATTAGGTA | TATCAACAAA | AACACACATA | 28020 |
| TTACGGTCAA | GTGGTTTGAT | AATTATTTTA | ATATTATTGG | TCTAATACAA | TTGTAACCCT | 28080 |
| ATGAATTACT | TTAAGTATCT | TATTTATGAA | AAGAATCTGT | AAGTTTCATC | AGACTACCAG | 28140 |
| AGCATACCGA | AGACTGAAAA | ATTTTAAGAA | TCCAAACCTT | AATGGAAATG | TTGGAGGCTG | 28200 |
| CCCAATTAGG | TTCTGAATTC | CACCTTCCTG | AATCACAAC | TTGTTTTAAC | TCTCAGTCTG | 28260 |
| AGGTAAACTA | CGTTTCTCTT | TAAACAGACA | TAGTTTAATT | TTCTTTTGAT | TTTTGATTTA | 28320 |
| GTATTCTTAC | TGATCATCAT | AAATAACCAA | TGCTAATGTT | AGTCTACTTT | GGACCATGGT | 28380 |
| ATTTTCGAGAA | ACTTTGAACA | AAGTCCCCTG | CAAACTATG | CATTGCATTA | TTTCACATAC | 28440 |
| ATTTATGTTT | TCCAGACGGT | TCAATAGTAC | CTCACTTTTC | TGAACCTATT | TGTATAGTTT | 28500 |
| GGCATCTTTT | TAAAAATTGT | GTCCTATAAT | GAAAGGTTGT | AAACATTATG | TTTTAAATTT | 28560 |
| GTATAGATAA | AATCAACCAC | AGACCTTTCC | TTGCTTGGAT | GTAATTGCCA | TTGTTTCCCA | 28620 |
| ATGAGTTCGG | AATTACTAGG | ATTGTGCAAA | AATATGCCTC | ACTTGCCTGA | CATAGCAGAG | 28680 |
| AGCCATTTTG | CCTAAATGCT | GTGCCCAGCA | ATGGACTGTC | ACCAGATTCT | CATCACATAC | 28740 |
| AGTGAGGATG | AACAAC TAGC | CTCTCCCAGC | AGCTGGCCGG | TCTCTCAATA | ATATGGGACT | 28800 |
| CCCTCAAGAT | GGCTTCCTGC | ACCTTTGCTC | CTCTAGCCTT | GTATGTATAC | AAGGCTAGCA | 28860 |

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| TGCCTGGCAT | ACATAAGGTT | AAAAACAAAA | TCAATAAGTT | ATGGTTCTTC | CTCCAGTTCT | 28920 |
| GGGGATTATT | AGACCACTTT | TTTGTTTTGT | TTTGTTTTGG | ATGGAGCCTC | GCTCTGTCAC | 28980 |
| CCAGGCTAGA | GTGCAGTGGC | ACAATCTCGG | TTCACTGCAA | CCTCTGCCTC | CTGGGTTCAA | 29040 |
| GCAGTTCTCT | GGCTCAGCCT | CCCACGTAGC | TGGGATTACA | GGTGCCCGCC | ACCACGCCCC | 29100 |
| GCTAATTTTT | GTATTTTTAG | TAGACGGGGT | TTCACCATCT | TGGCCAGGCT | GGTCTTGAAC | 29160 |
| GCCAGACCTC | GTGATCCACC | CACCTTGGCC | TACCAAACCTG | CTGGGAATAC | AGGCGTGAGC | 29220 |
| CACCGCGCCC | GGACTTAGAC | CACTTTGTTT | TGGCCAATAG | GACAACAGCC | ATAGAACCCT | 29280 |
| CCGCAAATGA | GAGCTTGTCC | CTAAAGATGC | TTTATTTACA | TAGCTGTGTG | CCGCATGAGC | 29340 |
| CAAAAGGTGA | TAACCTTTGT | TCAACACGCG | CCTCCAGCCC | TTCGGTTAAG | TCCAAAGTAC | 29400 |
| CATTCTTAGA | ATGCTCTAAA | ATACATAAAT | TTTTTTTTTT | TTTTTTTTTT | TTTTTTTGAG | 29460 |
| GAGTCTCTCT | CTGTCTCCCA | GGCTGGAGGG | GAGTGGCGCG | ATCTCGGCTC | ACTGCAATCT | 29520 |
| CTGCTTCCGG | GCTAGCTGGG | CCTACAGGTG | CAGACCACCA | CGCCCGGCTA | AGTTTTGTAT | 29580 |
| TTTTTTTGGT | AGAGGGGGTT | TCACCATTTT | GGCCAGGCTG | GTCTCGGATT | CTTGATCTCA | 29640 |
| AGTGATACAC | TAGCTTTGGC | CTCCCAAAGT | GCTGGGATTA | CAGTCGTGAG | CCACTGCGCC | 29700 |
| CAGCAAAATG | CTTTTTGTGG | AGCCAATCAC | TTTATTAGCG | CTTACCTCTC | TATGCCTACT | 29760 |
| TTATGCTTTG | AAATTTTGTC | ACAGTGTGGC | CGGTCATGGC | AAACACAATT | CATTCTTATG | 29820 |
| CAGGATGTCA | CGGTTATTTT | TGTCATCCAA | ACTCATTCTC | GCAACGCATT | TCAGCTCTTT | 29880 |
| AAACGACTTT | GTGAGCGGCC | CTGAAAAGGG | CCTTTGGGTT | TTTTTGTTTT | TGTTTTTTGA | 29940 |
| AGTTCTCAGG | AGACCGCGTA | TTCTTAGATT | CAGCCGCCGA | AGCCATACAG | AGTGCGCCCC | 30000 |
| TGACGTTTTA | GGGCATATAC | TACATCCATG | GCTGTGACAG | TTTTGCGCTT | GGCGTGCTCC | 30060 |
| GTATAGGTGA | CGGCGTCTCG | AATAACGTTT | TCTAAGAAAA | CCTTAAGCAC | ACCTCGAGTC | 30120 |
| TCCTCATAGA | TAAGACCGGA | AATGCGCTTG | ACGCCACCGC | GCCGAGCCAA | ACGGCGAATA | 30180 |
| GCCGGTTTTG | TAATGCCCTG | GATGTTATCC | CGGAGCACCT | TACGATGGCG | CTTAGCACCA | 30240 |
| CCCTTCCCCA | AGCCTTTTCC | GCCTTTGCCG | CGACCAGACA | TGATTCCTAT | CGCAGTGGA | 30300 |
| GGTATGAACT | GAAACAGTTC | CTTAAATACA | AACTTGGCGG | ACCTGATTGA | AAACAACATG | 30360 |
| AGTTGGCGCG | GTTTTTTTTT | TTTTTCAAAT | TTGGTCACCA | AGTGGGTGGA | GCAAGAAAAA | 30420 |
| CTGTTTCATT | ATGGTTCATT | GTTTTGATTG | GCCAGTGACA | GCTTGCTCTT | TGTGGGAGTG | 30480 |

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| GAAGGGTGTT | TGCAAGTTGA | ATGCGCTGTA | TTCCTGTCAG | CTTAATGACG | CTAAGCATAG | 30540 |
| CCCCATTCCA | CATTTCTTTT | TATTTCCACT | TGCTAACTAA | TAAATTACGG | AATAGTTTAT | 30600 |
| TGGGGAACAT | ACAAATAATG | TTTAAAGGAG | GTCAGATTTA | TAGGTCAAGG | GATTTACCCT | 30660 |
| CCCAATCATT | TTAATATTTT | TATTTAAACC | AGGCATTTTG | ATGGCCTTCT | CTGTGCTGGA | 30720 |
| CAAGGTATAA | GTTTGGCTAT | GAAGTTTCAC | TCCTAAAGAC | CCTATGTTTT | GGGAAGGCAA | 30780 |
| AAAGGTAGCC | AAATAATTGC | AAATTAAAAC | CTCATAAGTG | CAAACCTCTT | CCTCGTCACT | 30840 |
| TTCCCTATCT | CGATTCAAAT | ATTTGTTGAA | TGACTCATTT | TTCTGCAAAA | GTCTGAGAGA | 30900 |
| GACAGGGAAT | ATAAACTTAA | GTCTGGATAA | TATGTTTTCC | CGGGACGCTC | TTCCTGGTCT | 30960 |
| GCTGTGCCTG | TTTGCTGTGC | CTGAAATTCC | AAACACTCTT | CCCTTCCCTC | CGTTTTTAAT | 31020 |
| CCCCTTTCAA | CTTGCTACAG | CTTTAGAGAA | AAGAACATTC | GTTTTGTACA | GTTGGGGATT | 31080 |
| AATTGAAGTG | TAGGGCTAAT | ACTTGATTAA | GGTCATTACA | AAATCTACAG | GGTCTTCCTC | 31140 |
| TGGGAGGTTT | TTGTGATAAG | ATTATTGGTG | TTAAAATAAG | GCTAATCCCC | TTGAAAAATA | 31200 |
| AATAGAATAG | CAGAATTGGG | TCTGAATGTG | GTTTGAAGAA | AGGGACTTCT | CAATTCAAAA | 31260 |
| TTTTATTCTT | AGCTTCCTGC | GGGAGCTTTC | CAGAATGCCC | ATAAGATCCA | CTTTTGTTTA | 31320 |
| AAAAACAAAA | ACAACCCAC | CCACCACTCT | CTGGTTAATA | AATGAATTTC | TATTGGGAAT | 31380 |
| ATTTAGAATG | GGGCTGTGGC | CTGTGAGAGA | CATTATATAG | TAACCTCAGA | CTTGCTCACA | 31440 |
| TGAAGAGAAG | AAATCCAGGA | ATGGAGAAAA | AAGACCCAGG | AAAGGCCAGA | ATGCTCTACA | 31500 |
| TGTCATATTG | TTTGTATCAC | TTCTGAAATA | ATTGATTACA | TTCTTCTGCC | CCAAATTGAG | 31560 |
| TTCTTAGGTT | CTTCCACTCA | CTGTCCACAT | GCCACAACAC | AGACCTTATA | ACTAGAGACT | 31620 |
| TAGCTAGGAA | GAAATGTCAA | ACATTACAGA | GAAAAAATGC | AGAGTCTGAG | ATCATAAGTA | 31680 |
| AAACTCTGAA | ATCTCAACAT | GCCTTTTAAT | TCATGAAAAAT | AAAAAATATA | GCAGCATATG | 31740 |
| CAATATGACA | ATTCTCTGAA | AACATACATC | ATGTGAACTA | CCCTGGAACA | CATCTCGCCA | 31800 |
| AGTGCCATCT | TCATTTTAAC | CAGAGGTCTA | GGATGCCTTT | CCTTTATTTT | GCCTATTATA | 31860 |
| TCATTTATAA | AACCCCATTT | TTATTTTGAT | ATTTTATTTA | CTTTCTATTT | CCTGCTCCTA | 31920 |
| ATATCTCCTT | TCTAAACTTT | TCTCAATGAC | AGTGACTCAA | AAACAATGAA | TGTCAGAACA | 31980 |
| AATATTTAAA | GGATCTGTAC | ATGTAGATAT | ATATATTTAA | AATGGATTCT | TCCACTCTGC | 32040 |
| GAAGAATTCA | GGCATACTCA | ATCTTATGGT | TAGGGAGAGA | TTAGGCTCAC | TCGCCTAATC | 32100 |

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| TGTATGGCTT | CTCGTTCGCT | TTCCATTTCA | CCTTCCTCTC | ACCCATCAGA | TCAAACATCAT | 32160 |
| TCATTGAACA | AGAGACCTAA | GCCCTTCAGA | TTAAAACCTCT | GCAAACAAGT | TGTGGTTGAG | 32220 |
| AGGATACATG | AAGCATTCAA | ACAAATAAAT | CTATGATATT | AATCAGAGGT | TAATCTATGA | 32280 |
| TATTAATCAG | AGGTTAATGC | AGTGGCTCAC | GGCTGTAATC | CCAGCACTTC | AGGAGGCTGA | 32340 |
| GTTGGGAGAA | TCGCTTGAGC | TCAGGAGTTC | AAGACCATTT | TGGGCAACAT | AGCAAGTCTT | 32400 |
| CATCTCTACT | TAAAAAATAA | TAACCAGAGG | TGTTATGAAA | ATATAAATTG | TCCAGAACTA | 32460 |
| CCCTCCACAA | ACTAACTCTC | TCAGAATATT | CGATATGAGG | AATGAAATAT | GGTGTGTGTG | 32520 |
| TGTGTGTGTG | TGTGTGTATG | TGTGTGTGTG | TGTGTGTGTA | TGCACCTATA | TATGGCACCT | 32580 |
| ATATATTCAA | CAAACAATTC | TGATAATTGG | CCAGGGTTGA | GAATGACTAG | CAGCCCAGCA | 32640 |
| TACACTATCA | GTTTTAAGTA | TATAATTGCG | CTTTAGTAAA | ATGTAAAGAA | ATCCCAGAGT | 32700 |
| AGAAATACTT | TTAAGCTATA | TTACAGGTGA | GAAAATGCAT | AAGTATAGTC | TCACCCAACT | 32760 |
| TAGACTATGG | GGGCTTTATA | ATGTCACAAC | AGTTGTTTCC | AGGCATTTGG | GGACATCACC | 32820 |
| ACTGGTCTTG | GGCAAGAAAC | TCCTCTAGCC | AATGGCTGAT | TTATCTCACT | CCCATCTAAG | 32880 |
| GCTTCACTGC | ATTTCTCTTT | TTCAGCAACC | TAACTTATTT | AAAAATATCC | ATTTTCTGAT | 32940 |
| TCATTTTTTT | CTGAATTAAA | CTGTCAGTAC | CATTGGCACA | CCTTTGGTTC | CGTAGCATAC | 33000 |
| CTGTGTCTCT | GCTGTGTTTT | TTTTTTTACCT | CCACTCCTTA | CTTTTCTAGA | AAAAAATCTC | 33060 |
| TGCTTTTTCT | TTTCAGTTTA | AATTATTTCA | CAAAAAGTTT | TCTTGACTTG | CACTTCCTAG | 33120 |
| GCTTGCTGTC | CTTGTGTGGG | CACGCTCCCA | TAAACACTAT | TAATACACTT | CGATTTGTTA | 33180 |
| AAAATAAAGA | TATCTGGACA | GAAAATTTCT | TTTCTTTTTT | TAAGATTTTA | AAATTTTTTAA | 33240 |
| TGTTTATTTT | TTTCCTAGAC | TGGAGTACAG | TGGCACCATG | ATGGCTCATG | GTAGCCTACA | 33300 |
| CTTCCCCGGG | CTCAAGTGAT | CCTCCCACCT | CAGCCTCCCA | AGTAGCTGGG | ACTACAGGTG | 33360 |
| TGCACAACCA | CACCTGACTA | ATTTTGTTTA | TTTGTTTGTT | TTGTTTTTTG | AGATGGAGTT | 33420 |
| TCGCTCTTGT | TGCCCAGGCT | GGAGTGCAAT | GGCGGGATCT | CGGCTCACCG | CAACCTCTAC | 33480 |
| CTCCCAGGTT | CAAGCAATTC | TCCTGCCTCA | GCCTCCCGAG | TAGCTGGGAT | TACAGGCATG | 33540 |
| CATCACCACG | CCCAGCTAAT | TTTGTATTTT | TAGTAGAGAC | GGGGTTTCTC | CATGTTGAGG | 33600 |
| CTGGTCTGGA | ACTCCTGACC | TCAGGTGATC | TGCCCCGCTC | GGCCTCCCAA | AGTGCTGGGA | 33660 |
| TTACAGGCGT | GAGCCACCAC | GCTCGGCCAC | TAATTTTGTA | TATTTTGTAG | AGATGGGCTT | 33720 |

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| TCCCTGTGTT | GTCCAGGCTG | GTCTTGAATT | CCTGGGCTTA | AGTGATCTGC | CCACCTTGTC | 33780 |
| CTCCCAAAAT | GCTAGGATTA | CTGGCGTGAG | CCACCAGGTC | TGGCTGGAAA | GATAATTTCT | 33840 |
| AACATTATCC | TCTCTTAAAC | ATTTGTTTCA | AAAATTTTAC | AAACATGAGA | GTAATTAAAT | 33900 |
| TTGATTTTCA | AAATTCCCTT | GAATACTTTC | TTAATAGCAC | ACAGAAAGCA | CAAAGTATTT | 33960 |
| TACATTTGTT | TTAATGATGA | AATTGTGAAC | CCAAACTTAC | ACAAAGAAAA | ACCCGTAACA | 34020 |
| TTATACCCAT | ACTTAAAACA | GATGCCCTCA | TATACATAGT | AAAACCTCTG | GGGGCAGTAG | 34080 |
| TGAAGTTGGT | TATTTACTGT | TTTATGAAAG | TGCCATTGAG | CCGGGTGCAG | TGGCTCATGA | 34140 |
| CTGTAATCCC | AGCACTTTGG | GAGGTCGAGG | CAGGCTGATC | ACGAGGTCAG | GAGTTCAAGA | 34200 |
| CCAGCCTGAC | CAAAATGATG | AAACCCTGTC | TCTACTAAAA | ATACAAACAT | TAGCTGGGCG | 34260 |
| TGGTGGTGTG | TGCCTGTAGT | CCCAGCTACT | CAGGAGGCTG | GGGCAGGAGA | ATCGCTTGAA | 34320 |
| CCTGGGAGGC | GGAGATTGCA | GTGAGCCGAG | ATCGCACCAC | CGCACTCCAG | CCTGGGAGAC | 34380 |
| AGGGCGAGCT | CCGTCTCGAA | AAAAAAAAAC | AAAAAAGTGC | CGTCATAGTG | ACTCAGTTTT | 34440 |
| AAGGAATAAA | TCAAGGATAT | TTAACTCAAT | AGACTACAGT | TAGCTAACGT | GACTTGCACT | 34500 |
| GAAAGTTATA | CGAATATTGG | TACTTATTCC | CCTGCCCCTG | AAGTATGAAT | TAAAGACTCC | 34560 |
| AAAATTCTTT | TTAGAATCTT | CAGAGTAAAA | GCTAGAATTT | GATTTTTTTA | AATAATAAAA | 34620 |
| AAATACTTTG | TATCTAAATC | TGGTGTATAA | AATAACTTGG | TGGATGATGC | TTCAAGGCTA | 34680 |
| TCCATCCCCA | AATTTCTCCC | TGAATGATAA | AGAGAATAAA | TGAATATGTC | AATTCAAAAG | 34740 |
| TTAGAAATTT | GGCCGGGCAC | GGTGGCTCAC | TCCTGATAAT | CCTTTCGGAC | GCTGAGGTGG | 34800 |
| GTGGATCGCA | TGAGCTCCGG | AGTTCAAGAC | CAACCTGGGC | AACATAGCCA | GAACCCGTTT | 34860 |
| CAATAAATAA | TAGAAAAAAA | TGAGCCAGGC | GTGGTGGTCC | CAGCTACTCA | GTAGGCTGAG | 34920 |
| GTGGGAGGAT | CACTTGAGCT | CAGGAGGTCT | AGACTGCAGT | GAGCCGTGAT | CGCAGTACTG | 34980 |
| CACACCAGCC | TTGGTGTGAG | ACTGAGACCC | TGTCTCAACA | ACAACAAAAC | AAGTTAGAAA | 35040 |
| TTTGGCTGGG | CGCGGTAGCT | CACGCCTGTA | ATCCCAGCAC | TTTGGGAGGC | CAAAAAGGGC | 35100 |
| GGATCATTTG | AGGTCAGGAG | TTGAGACCA | GCCTGGCCAA | CATGGTGAAA | CTCCATCTCT | 35160 |
| ACTAAAAATA | CAAAAAAAT | TAGCCGTGCA | TGGTGGCATG | CGCCTGTAGT | CTCAGCCACT | 35220 |
| TGGGAGGCTG | AGGCAGGAAA | ATTGCTTGAA | CCCAGGAGGC | AGAGGTTGCA | GTGAGCCGAG | 35280 |
| ATCATGCCAC | TGCATTCCAG | CCTGGGTGAT | AGAGTGAGAC | TCCATCTCGA | GAAAAAATAA | 35340 |

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|-------------|------------|------------|------------|------------|------------|-------|
| AAAATTCTGT | ATGAACTGAA | CAAAATATCC | TTAAATTTTA | AAATACATCT | GAAAGATATT | 35400 |
| TCAAAATATT | TAGGAAAAAA | ATTATAGGGA | TCAGGCAAAT | TCTGAGATTC | CTTTTTCCCT | 35460 |
| GCAGCAAACA | TTAGGAGTGC | TGCTGTTTCT | AAAAACATGG | TAAGTGTGTC | CACACCGTAT | 35520 |
| GTTTCCTTGG | CTCAGACATA | AGGTTGTGTA | GTTGTTATTC | CAGAATAGCT | AGAATAAAAA | 35580 |
| TCCAGCACAT | CATTTTCTTC | AGCAAGTTAA | CTAACCTCTC | TGTGCCTTGG | TTTCATAACA | 35640 |
| GCAACATAAG | CATAACAGAA | TAGCAGCAAT | AGCTCCTACC | TACCTCATAA | GATTCTTTGG | 35700 |
| AGGAATTAAA | TTAAGATTCA | GAACACAGCC | TAATATCTAG | TAAGTAATAA | TAATTGGCTA | 35760 |
| AAAAAATTTT | CTTAAGATTA | TATATATTCA | TGGGGTACAA | GTACAATTTT | GCTACATTAA | 35820 |
| TATATTGCAT | TGTGGTGAAA | TCAGGGCCTT | CAATCCATCC | CGGAAAAAAA | AAGTTTTTGA | 35880 |
| AAAGATTTCT | GCCATGGAAA | ACTTTTAATG | TACAAATTCA | TCCATCCAAG | AAATAGAAAA | 35940 |
| TATATAAGTA | TCAACTCCAA | ATCCACCATA | TCTATCTCTT | CTACACCTTA | AACAATTACT | 36000 |
| CAGAAATAGA | ATGCTTGAGA | TACCAGAATG | CATGCATATC | AAGTAATAAA | TGCATGCAGG | 36060 |
| ATGTCAACGC | ATCCTAGGCT | TTCAAATAAA | ATTGTCATAC | AAAATACTTT | AATATTGTAG | 36120 |
| TAACATTCTA | CATGTTAGAG | TGTAGAAGTT | AATCGCTGAT | GCAAAAAAGG | AAAAGAACAC | 36180 |
| ATTATACCCA | AAGCCTACAG | AGAGAATCAC | AATTACAAAT | ATCAGCCTGC | ATGTGAAAAT | 36240 |
| CTTTAATTTG | AAAGTCAGAA | ATATTTAAAT | GATAGTCATT | GTTAAATCAG | ATTGTGGTTT | 36300 |
| GAAAAAAAGT | TAGTTTAAAA | CTGAGTTTAT | GAAAAATTTG | GGGATTTTAG | AGACAGTGTT | 36360 |
| TTGTTTTTAA | ATGTGTGTGA | GTTTGTGAAG | AATGTTTTAT | AAAATACTGA | CAGTATTATA | 36420 |
| AGATGACATT | ATTATAATAC | AACATAAGAA | TTTTGGCCTG | TACCTCTCAG | CAGTCCTCAA | 36480 |
| TCACCTGCTG | TACTTGACTC | AATGATTATC | AGAGTGGTTT | GTTTTCTTTC | TGTTGTGTTC | 36540 |
| CCAGTTCAGG | CAGCTCAGCA | ATGGCCTGTG | ATTCCAGCAA | TTCAAATAGC | TGGTAAGTAG | 36600 |
| TTTCTTGTTT | GTTTTCTCAA | ATTTTCAGGG | GCTTTTCTCT | ACAAGTGATT | TCCAGTGCAC | 36660 |
| GCCCCCTCCAC | CCATTCTTTA | TTCTTTTACC | TTCAGGAAAA | CCCTCAGCGC | TGCATCTCTG | 36720 |
| GTCACCGGAC | CACCGTGGTA | CATTTACCTA | TGGCCACCAG | GTGTCACCCT | TCTCTTTACT | 36780 |
| ACCATGGTTT | GTGAATGGTT | TTGCCAGAGG | TGAATAAGAA | TTTAAAATGC | AGGTCTTTGA | 36840 |
| TTTTTCAAAT | GTAGTTGACC | TTAAGAATTT | ATGAATAAAG | CCAGAAAAAT | TAAGCTTAAA | 36900 |
| AAACACCGAA | AGAAAATGAG | GACTTAAAAT | TTCTATTAAA | AAAATTAACA | GGCCACAGTT | 36960 |

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| GCTGATGTTT | AGTAAATGTG | TTAGTGAAAT | GTGTTACTGT | GAAGACTGGG | GTGTTTCTTG | 37020 |
| AAATCTCAGC | CCAGGTGAAA | TAAAACCAAT | ATAAAACAAA | TGCTTACCTA | ATAAATTAAT | 37080 |
| TGTAACATAT | TCCTTATGAG | GTAGAAGAGT | AAGTGAAGCC | TTATAGCAGT | CTGCTTTCAG | 37140 |
| TATAGTAAGA | TATTAAGAGA | GAAATAATTT | GTCATATGCT | TTCAGAATGG | TTTGCTGGTA | 37200 |
| AAATAACCAA | TGTCTTACAA | CTTAGACGAC | AATGTCCCTA | GAGTGAAGAA | ACACGATTAA | 37260 |
| TTCGGCTACC | ACAGTTGAAT | GAAAATATTC | CGTAAGACAA | AATGTAAAGA | AATTAGAAGC | 37320 |
| AAAATAAATG | TCTCCAAAAT | GACAAAGCGA | TTAAGTATAT | ACACAAGATG | AACAAGAACT | 37380 |
| TCAATAAAAT | CATGCAGTAT | ACAATACAAT | ATACATTTAT | TAAAGTATAT | GCATTTTTAA | 37440 |
| TGCAACAATA | ATACTAACAG | GTAATAGACA | AGTTGTTAAT | AGTTTTTTCAC | TGGCTAATTA | 37500 |
| AATAACAGCT | TTAATTGTAT | TCATTTTATA | GCTTTTCTAC | AATGAGCGTA | AATCACATTT | 37560 |
| ACTTTTTTCT | ACATAACTTT | TCTAACCACA | AAAAAAGAAA | ATGGTTTAAA | AGAAGAGATG | 37620 |
| AGATATCTTT | GCTAAAATTT | AATGCCTAAA | GAAGAACTT | CTGAGCTGTA | TATGGTATCC | 37680 |
| TGAAGCACCT | GCCCTTCAAG | ACAGAATGCT | TGTACCACAT | TTATGCAGCC | AAGTGCATGT | 37740 |
| AGTAACATAA | AGTAAACACA | TGCCATCTGG | ATATATATAT | TAAGACTCTT | TTGACGGCTG | 37800 |
| GGCAGGGTGG | CTCACACCTG | TAATCTCAGC | ACTTTGGGAG | GCCGAGGCAG | GCGGATCACG | 37860 |
| AGGTCAGGAG | AGTTCGAGAC | CAGCCTGGCC | AACATGGTGA | AACCCTGTCT | CTACTAAAAA | 37920 |
| TACAAAAATT | AGCCGGGCAT | GGTGGTGCAC | GCCTGTAATC | CCAGCTACTT | GGGAGGCTGA | 37980 |
| GACAGGAGAA | TCGCTTGAAC | CTGGGAGGCA | GAGGTTACAG | TGAGCCGAGA | TCATGCCATT | 38040 |
| GCACTCCAGC | CTGGGCAATA | GAGTCTCAAA | AAAAAAAAAA | AGACTCTTTT | GAACATGGTG | 38100 |
| AACTGATTTT | CCAGAATCTA | GCAATTCTCT | AATGTCTCTG | TTAGATTTTT | TTTTTAATGT | 38160 |
| GCACCGGAAC | CCCAGTGGCT | CCATGGAAGG | ACCTGGGCAT | CCTCTAAGCC | ACTTGGTGGC | 38220 |
| TTCCATTATA | CCATCTCAAA | ATGAGAGAGC | TTACTCCACT | TCATTGAGGG | AAATACCACC | 38280 |
| AGAGTTCTGA | CTCCAGAGGC | ACTGGCCTAG | GGAGGACACC | GTGTGTGAAG | CCCAGCAGGG | 38340 |
| CCACTAGCTG | TCCCCACCAA | TTACAGTCCT | TGCGTAGGGT | CCAAAGAAAT | GAATGCCAAA | 38400 |
| GAGAGCAACA | GAGGAGCAAG | GGAGTCACAT | TCCAGGACCT | TCCTTCAGGG | ACTTTTAAAG | 38460 |
| GAAACATGAC | AGCTGAGGAT | CAGTTGGTTG | TTTTCTGCTG | TTCCCTTCA | TGTGATTCAA | 38520 |
| GCTCACTCAG | AAGAAACACA | ATGAGACAAG | AGAAGAGCCA | TCTCCTTCCT | TCTCTATTTA | 38580 |

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| TTCTAGGCAT | CTAAACTACT | GAATGTAGTG | GTGTCTGAGA | TGTATCAAAC | GGTCAGATTG | 38640 |
| ACTGAGTTTG | AAACCTGTTT | CTATCACTGA | CAAACATATGA | GATACTCTAT | ACTTCACTTT | 38700 |
| CTTTTTTTTT | TCATTTTTTT | ATTTTTATTT | TTATTTTTTT | GAGATGGAGT | CTCACTCTGT | 38760 |
| CACCTAGGCT | GGAGTGCAGT | GGCGCAAAC | CGGCTCACTG | CAAGCTCTGC | CTCCTGGGTT | 38820 |
| CATGCCATTC | TCCTGCCTCA | GCCTTCCGAG | TAGCTGGGAC | TACAGGCGTC | TGCCACCACG | 38880 |
| CCCAGCTAAT | TTTTTGTATT | TTTATTAGAG | ATGGGGTTTC | ACCATGTTAG | CCAGGATGGT | 38940 |
| CTCGATCTCC | TGACCTCGTG | ATCCACCCGC | TTTGGCCTCC | CAAAGTGCTG | GGATTACAGG | 39000 |
| CGTGAGCCAC | CGTGCCCGGC | CTACTTCACT | TTCTTCATTT | AAAAAAGAAA | TGGGGATAAT | 39060 |
| AGTACCTATC | TCATAGAATT | ATTGTAAGAA | GTGCATGCAG | TAATGCATGT | AAGTAGGTGC | 39120 |
| TCAGAAGAGT | CGGACACGAA | GTAAGTGCTT | TTATCATCCT | TATCATAATT | TTCATTATCA | 39180 |
| GAACAAGGAG | AGACCAGGTA | GAAAATTATT | GTGATTCTTC | AGGTCTGGAA | TACTAGAGTA | 39240 |
| GCATCCCAA | TGAAGGCACC | ATTAACTTT | GCAAATCTGT | ATGACACCTT | CATGCCAATT | 39300 |
| AGAAAAACA | CCTCTTCACA | ACCCCTTTCA | AGATATTTGC | CTCCTACCTG | CTAAAAACAC | 39360 |
| CCATCATACT | ACCCACAGAT | AGCCATGATG | CTTTTTCTGG | GACAGGTGCC | TCTTCCATTC | 39420 |
| GTGCAGTGTA | CAGCCTTCAT | AGCTGTGCAA | CTCACATCAC | AATCAGATGG | AAGAATCCCC | 39480 |
| AAGGCTTGGT | GACAGATGAG | TTACTGGGTA | ACACAGAGAG | AGGATTCAAA | GGAAAAGTTG | 39540 |
| AACGGGTCCA | GAAATGTCAT | AGATACATGT | GTAAAAATCT | GGTAAGGTTA | TGACTAGCCA | 39600 |
| CGTCCCAGGG | TTCAAAGCTT | TTCTCAGATG | TTAAAATGAA | TCATGTAAGT | CCCCCAAATT | 39660 |
| TAAGGAGTCC | TCTTCCAAAA | ATAGGAAATG | AAATGACATA | GGTGTATGTC | TCTGAGGTGA | 39720 |
| CGGAGGAAAT | GAAGGAAGCC | TCTAGATGCA | GCTTGAGGTT | CATGAGAGAC | AGTTCCAGGG | 39780 |
| GAGAGGTCAC | AGCTAGGGAT | CACCGGCATG | CAGGAACCTCA | GAAACCTAAA | TGGGGAAATC | 39840 |
| TTTTTGAGGA | AATGAACAGA | GAAGGCTAAA | ATCAAGGAGT | TCGTCAGGCA | ATTTCTATGT | 39900 |
| TTAGGTTCAA | CTCTCTCCTG | AAACATGAAG | AGCTCATAAA | TGCACTCCCT | CTTTGAGTCT | 39960 |
| CTAGTTTTGT | CTCCTTCCCA | CAGTGAGTCT | GCAGGCTGCG | TGTCATCAC | GTTCAGCTAA | 40020 |
| GACGTAGTGC | CCCATGGCTC | CTCCTGTGGA | GACAAGAGAC | CCAGGAAAGA | GGCATCACAA | 40080 |
| ACCTAGGCAC | CATCTTGCTT | CTTCTCTCTT | CCTTATTTTC | CTCATTCACC | CATCTCAATT | 40140 |
| TAGACCTGGG | CACTATTGGA | TTTCAAGAAC | CATTATCTCT | CATCTGGAAA | TGCTTATTGG | 40200 |

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| CTTTCTAACT | GGTCTCCTCA | CCTCTCATCT | AACTTCTTAA | CAACACATTC | ACCATATAAG | 40260 |
| GGAGATCGTG | GTCCTCCTTT | CTTAGGATCC | TTCAATGACA | CCCCAGTGAT | CATAACCCAA | 40320 |
| TATCCCCAAA | GACCCTTGGA | CTCTGTATGA | GCTGGCTTCT | TTCTGATTCT | CTTTTCCCTA | 40380 |
| CACCACAGAT | G TTCAGGGGG | TAGAAATGCA | TAATTGGTGA | GTGATAGCTA | CGCAAACCTCA | 40440 |
| GGGTTAAGGT | ACAGTAATTA | TTTCTAATCT | CCCAGTATGC | CTTATACTCT | CCTACTTGGC | 40500 |
| ATGGTTGCTC | CGTCTGTGTA | GACCTCCCAT | CATCTTCAAC | CTCACCTAAT | GGAATCCAGC | 40560 |
| TTCTCCTTCA | AGATCCAGAA | GGCTATCTTG | ATCCCCAGCT | GAATGTGATC | ATTCTTTCT | 40620 |
| TTGACACCCT | AAGCATTTGC | TTCTGCCTG | CTTTAGGACC | TCATGGGGTC | TTCTTTAACT | 40680 |
| ACATTTACTT | GCTATCAATT | TCATTCCCTA | CCAGATTTGG | GTTCTGAGAA | TAGCCACAGT | 40740 |
| GACTTCTCAA | CCTCAAAGCC | CCTGTACTAC | CTTAAACAGC | TCTTGCAAAA | TAGTAGGTGC | 40800 |
| TCTGAAGATG | TTTGTGTAAT | TAGAGACTTT | CATTCTGGGG | AGAACCATTA | TTTTCTGTCT | 40860 |
| CCCAGGGAGC | TGCTGGTGTC | CCCAAAGAAT | ATAAATGAGA | AAAATGCTTC | CCATGGATGC | 40920 |
| CAGATCCCCT | CTGCCCCCT | TCCCCACTGTG | CCCTGGGGCA | GAGGTACTAA | GAGACTTCCC | 40980 |
| CCTTGTTCT | ACTCACTTGA | ACCCTGCCTC | TTCCTTAATA | TTATGAACAA | AATTCCAATG | 41040 |
| AACAAGATGA | CGACAAAAAC | AGCAATTCCA | CTGATGACTC | CAATGACTAG | GGTGCCAGAC | 41100 |
| GGTGAGGGCT | CTAAAACAGA | AAAAGCAAGT | TAAAGCCTTT | GATTGCCACC | CTCAGCCCAC | 41160 |
| CCCCTAACAA | AGAGCAGATC | CTCATCTCAC | TGCCATAATT | ACCTCCTCAG | GCACTCCTCT | 41220 |
| CAACCCCCAA | TAGATTTTCT | CAGCTCCTGG | CTCTCATCAG | TCACATACCC | CAGATCACAA | 41280 |
| TGAGGGGCTG | ATCCAGGCCT | GGGTGCTCCA | CCTGGCACGT | ATATCTCTGC | TCTTCCCCAG | 41340 |
| GGGGTACAGC | CAAGGTTATC | CAGCCCTGGT | AGGTCCCATC | CCCATTGGGC | AATACGTCTT | 41400 |
| TAGGTTCGAA | CTCCTTGGCA | TCCATTGGCT | GCTTATCCTT | CAGCCACTTC | ATGGTGATGT | 41460 |
| TCTGGGGGTA | G TAGTTCAAG | GCCCCGACACC | G TAGAGTGGT | CACTGAAGAG | GTCACATGAT | 41520 |
| GTGTCACCTT | CACCAAAGGA | GGCACTTGAC | AGGAAAGAGG | AAGGATGAGG | AGAGGGGATC | 41580 |
| TGTTTACCCT | TGCCAGGAAG | ACTGGAACCTT | TCACTTCCTT | CTATAGGTTG | GAGGAAGGAA | 41640 |
| ATACCCTTTT | CAGAAAAAAA | CAAGCTACAG | GAGAGACACC | ATTTTGTGTC | CTAAGATTGG | 41700 |
| ACTCTAACAC | AGTGTCACCTT | GGAGAGCAGT | CAGATCAGCT | TGTTCTCCTC | ACATGTAAAT | 41760 |
| ATACATATCT | GTTACCCATG | TTCTTTGTTC | TGATAGATAA | AATTGCCCTT | TATGTGCATT | 41820 |

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| GAAAATGATT | GAATACAGAT | GGTCAGTTTC | ACCTGGGTCA | ACCTAGGAGG | CATTGTTATA | 41880 |
| AGAAGCGGAC | TTGTAAGATA | GGTAGCTTCA | GTGATTATTG | CTATGTTCTA | TGAAAGAAAC | 41940 |
| TTTTAACCTA | AAGGATTCTT | CTACTCTGAT | AAGTGGCCTC | ACTTGATATT | TTGTCCTGGT | 42000 |
| ATTCATATGA | TAGCTGAGAT | CTCTGAATTC | TCTTTTTTTT | TTTTTTTTTT | TTTTTAAGAT | 42060 |
| GGAGTCTCAC | TCTGCTGCCT | AGGCTGGAGT | GCAGTGGCGC | GATCTTGGCT | CAGTGCAACT | 42120 |
| TCCGCTTCCC | AGGTTCAAGC | GATGCTCCTG | CCTCAGCCTT | CCAATTAGCT | GGGACTACAG | 42180 |
| GTGCGCATGA | CTGTGACCAG | CTAATTTTTG | TATTTTTTTT | GAGACGGGTT | TCACCATGTT | 42240 |
| GGTCAGGCTG | GTCTCAAAC | CCTGACCTTG | TGACCACCCG | CCTCGGCCTC | CCAAAGTGCT | 42300 |
| GGGATTACAG | GGGTGAGCCA | CCGTGCCCCG | CCTTGACATT | TCTGAATTTT | TAACAGGTAT | 42360 |
| AAATATACAA | AAGATTATTG | GTTAAATAAA | AAGCAAGGGC | CATAGACACT | TCCCTTTGAG | 42420 |
| CCATATGCAT | GGAGAAAAGA | AATTAAACCC | ATGACTTGTG | GCTGTCTCAT | ACATCTCAAT | 42480 |
| TATAAGGTAG | AGACTCTAGG | ATTGAGAAAG | TCCCTTCCCA | GAATTTGGAG | AGGCACACAG | 42540 |
| CCTCAGCCAC | CTCTGAAACT | CCAACCAGGG | ATTCCGTGCC | CTGCAACCTC | CTCCACTCTG | 42600 |
| CCACTAGAGT | ATAGGGGCAG | AAGTGTGTTT | CCACCATAAC | TTGTTGGTCC | AAAACACCTC | 42660 |
| TCCCCAGCTC | CAGCAACTGC | TGCAGCTGTG | CAGGGCAGTC | CCTCTCCAGG | TAGGCCCTGT | 42720 |
| TCTGCCTGGC | CCGAATCTTG | TGCCTTTCCC | ACTCCAGCTT | GGTGGGCCAG | GCCCTGGGTT | 42780 |
| CTGCTGCTCT | CCAATCCAGT | GTGTCAGGGC | AGAATTCAAG | GTGGTCCTGC | CCATCATAAC | 42840 |
| CGTACTTCCA | GTAGCCCTCG | GTA CTGTTGT | CTTCTTGCAT | TTCACAGCCC | AGGATGACCT | 42900 |
| GCAGGGTGTG | GGACTCTGGA | AAAATCCCCA | GCCTTGTTAA | CTGCAACCAA | AGGAATAGGT | 42960 |
| CCCTATTTCC | ACCATCCCCA | AGGACCAAAT | GATCTCAGGA | AGCAAATTCC | TTCCCTCTTC | 43020 |
| CCTGCTCCCA | CAAGACCTCA | GACTTCCAGC | TGTTTCCTTC | AAGATGCATG | AAAAGATGAA | 43080 |
| AAGCTCTGAC | AACCTCAGGA | AGGTGAGGCC | CCCTCTCCAC | ATACCCTTGC | TGTGGTTGTG | 43140 |
| ATTTTCCATA | ATAGTCCAGA | AGTCAACAGT | GAACATGTGA | TCCCACCCTT | TCAGACTCTG | 43200 |
| ACTCAGCTGC | AGCCACATCT | GGCTTGAAAT | TCTACTGGAA | ACCCATGGAG | TTCGGGGCTC | 43260 |
| CACACGGCGA | CTCTCATGAT | CATAGAACAC | GAACAGCTGG | TCATCCACGT | AGCCCAAAGC | 43320 |
| TTCAAACAAG | GAAAGACCAA | GGTCCTGCTC | TGAGGCACCC | ATGAAGAGGT | AGTGCAGAGA | 43380 |
| GTGTGAACCT | GGAGACAGAG | CAACAGGCCT | TAACCATGTG | TAGTAGGAGG | GGAGCAGGAT | 43440 |

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| GTTGAGGCTC | CACACACCTG | CATCAACTCA | TACCATCAGC | TGTGTCTGGT | CCTCATTTTG | 43500 |
| TGAAGGGTGA | GTTGCAGTCC | TGTCTTTCTT | CCATATGACA | GTCCTGGGTG | CTCTTTCCTT | 43560 |
| GTGTGCTTTT | CTCTGCCACA | CGTGGCTGCC | ACCCCCTCAC | TGCCCCCAGA | TCCTATTCCA | 43620 |
| ATACTCATGA | TTAGACAGAC | TCCACTAAAG | CTGGTGGATT | CTAGAAAATG | TTAAGGTGTG | 43680 |
| TCTAGCCATG | GTAGTTGAAC | TCAGGAGTTG | GTGCTCAGGG | CAAATTAGAC | CCAAATCCTG | 43740 |
| AGGAATAATT | CCTTCAGTTT | TTTTTTTTTT | TTTTTTTTTT | TTTTTTGAGA | CAGAGTCTCA | 43800 |
| CTCTATCACC | CAGGCTGGAG | TGCAGTGGCA | CAATCTCAGC | TCACTGCAAC | CTGCACCTCC | 43860 |
| TGGGTTCAAG | GGATTCTCCT | ACCTAAGCCT | CCTGAAAACC | TGGGACTATA | GGCGTGCGCC | 43920 |
| ACCACACCAG | GCTAATTTTT | GTATTTTTAG | TAGACATGGG | GTTTCACCAT | GTTGGCCAAG | 43980 |
| CTTGTCTCAA | ACTCCTGACC | TCAAATGATC | TACCTGCCTC | AGCCACCAAA | GTGCTGGGAT | 44040 |
| TACAGAAGTG | AGCCACCGTG | CCCAGCCTTG | GTCCTGAATT | CTTACACTGA | ACTGCCTATG | 44100 |
| TGGCCTCACC | ACTTGGAAGC | CTGACTGGAA | TCTCAAACCT | AACATGTCCA | AATGCAGATC | 44160 |
| CTTGATTTAC | CCCAAACCTG | TCTTTCCTCT | GCCTTCACCA | TCTCAGAAAT | GGCATTGCCA | 44220 |
| ATTACCCAC | TGCTCAGGCC | AATAAAATTA | AAATAAAGAA | CAAAGTCAAC | TTTAACTCTT | 44280 |
| CTCTTTTTCA | GGGGGTCAGG | GGAGACAGGG | TCTTGCTCTG | TCACCTAGGC | TGAAGTACAG | 44340 |
| TGGCACAGTC | ATGGCTCACT | GCAGCCTCAA | CTTCCTGGGC | TCAAGCAATA | CCCTCCACCT | 44400 |
| CAGCCTCCCG | AGTAGCTAGG | ATCACAGGTG | CATGCCACCA | CACCCAGCTA | ATTTTTGTAT | 44460 |
| TTTTTGTAGA | GAAGGGGTTT | TGCTGTGTTG | CCCAGGCTGG | TCTTGAACCT | CTGAGCTCAG | 44520 |
| GAATCTGCTC | TCCTTGGCCT | CCTCCTTGGC | ATGAGCTACT | ACACCCAGCC | AATTCTTCTC | 44580 |
| TTTCTCTCAC | ACAACATAGA | ATCCTTCAGC | AACTTCCTTC | AGAATATATT | CAGGAGACAA | 44640 |
| TGGTTTGTCA | CTCCCTTTTC | TGTTCCCACC | CAGCCCCTC | CACTACCTCT | TGCCTGGACT | 44700 |
| GTGTAACAGC | TTCTGGCTG | GGCTCCCTGC | TTTTACTGTT | GCTCCCTTCA | TTCTGCTTTC | 44760 |
| CACATAGCAG | CCAGAGCAAT | CTTTTAAAAG | CCTGTGACAG | ATCACTGTTA | CTCCTTGGCT | 44820 |
| AGAATTCACA | CCACAGCCTA | CAGGCGCCTG | CACAACCTTG | TTTGTGGCTC | CTCTTCTGAG | 44880 |
| CCCATTACCT | ACTTCTTGGC | CTCTACTCCC | CAGCACTACT | TGTTTATTTT | TTTCAACCCG | 44940 |
| AGCTTCTTAA | CCAGGAGTTT | GTCTACTAGG | TGACATGTGG | CAAAGTTTAG | AGACATTTTT | 45000 |
| GGTTGTCAAG | ACTGGGGGAG | TGCTCCTAGC | ACCTAGTGAG | TAGGGAGGAC | AGGATACTGC | 45060 |

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| TAGACATCCT | ACATGCAGAT | GGTAGTCCCC | CTTCCCACCC | CCACGCCGCC | CCCCCCCCC | 45120 |
| ACACACACAC | ACATGAGTAG | TGCTGAGAAA | ACCCGCTTTT | TAATCCAAC | TGCCAGGCC | 45180 |
| ACTCAGTTTG | CCTGGGAAAT | ACTGCTCCCA | GTCAATATCA | TTCTTATTTC | CTTCATGTCT | 45240 |
| CTGCTCAAGT | GTCAGCCCCA | GAGTGACTTG | CCCTGACTTC | TCTGCTTCTC | ACAACACCCA | 45300 |
| TGATTTCTTG | ATGTTGTATA | TCTTTCTGCT | CATTTGCTTA | TTGTCATCTC | TCCCACTAGA | 45360 |
| ATGCAAAATA | TCAAAGGGTA | AAGACTTGTT | TCCCTGCTCT | CTCCCTTGGG | GCTTGAACAG | 45420 |
| TGCAACACAT | GGCTGGGACT | CATTTACACT | TGTAAACAAT | GAATATTTCT | GCTCAACATG | 45480 |
| AAATTTTATT | ATTCAACCTC | TAATGCAGTG | TGATGTTTAA | GAATCATAGC | TATGAAGTGG | 45540 |
| AGACATGAGC | TCTGCCACCA | AAGCCCAGTG | TACCATTGAA | TAAATTTGCC | AGGAAGCAGG | 45600 |
| CCGTGCCATG | CCTCATTCTT | GTCATGTGTA | AAATGTGGAT | ACACGTAGTA | CCAAAACCTCA | 45660 |
| AAGTGCTGTG | CTGAGGCCGG | CGTGTGACCC | ACAGAACACT | GTGCTACACT | ACAGGGCAAA | 45720 |
| ATCACTGTCA | ACTAAGATTA | GAAGCAGCTG | TAGTACTTGA | AATAACATCA | GAAAACCAGA | 45780 |
| TTATTTATGT | TCTTTGTAAC | CTGAAAAGAG | TTATATAATC | TGAATTCCAG | TTAACTTCTA | 45840 |
| GTAAATAAAA | CGTATTATTA | GCTCCTACCT | CCCTATGCCT | AGTGAAAATC | AAATAAGATC | 45900 |
| AGATATGAAT | GTAACCTAGA | AGTGAGTGCA | TTGCTTACAT | GTTCATTATC | AGTACTTTGT | 45960 |
| AGAGAGGCCT | CTTAATTACA | CAGCACATTG | CAAATCAATA | AAGCCTAGCC | GAAAAGAGAA | 46020 |
| TTGTTTCAGT | CAAACGTTCA | AAACTAACAT | ATACTTAATT | TTCCAGGCAA | AAGAACAATT | 46080 |
| GCCAAGAGTG | GGGAAAGGCC | CGAGGTAGGC | CTCTCTCAGG | AGCCTCCCAC | CCTAGAGACC | 46140 |
| TCCACCCCAG | GTCTCACCAA | AAGTGGGTGG | AATGGTGAAG | AATTCAGATC | CCCAACGCCA | 46200 |
| CTCTTTTCGG | CCCCACCGC | CCAACGCATT | CGTTCTGAGG | TGGAAACCCC | GTGCGGATCC | 46260 |
| TGCTGTGGGT | TTGCTCAGCC | TTCTCGGCAA | GCACTCAGGG | AAGAACTTCC | TGTTTGGAGA | 46320 |
| TGACTGGGGA | AAAAACTGCA | CAGCTGACAT | TGGAAATAAA | CCCGAGTTCC | AGGTTCAAGG | 46380 |
| AGCCCCAGGC | TTAGCTCAGC | TCAAGTGAGG | AACTACGAGA | TTTATTTAAA | AGCATTCTAG | 46440 |
| TTGGGGGAAG | GGAGTGGGCG | GTTCCAAAAG | TCACTCCGCA | GAGCCGGGAC | AGCCGGGGGA | 46500 |
| GGGGGCAGGT | CCTGGGGCGA | GGGACCCCTA | TCTGCAGTTC | AGTGGTAGGC | ACTCCCTCAC | 46560 |
| GGGGTCTGGA | CGCAGAAAGT | AGGGAGAGGG | GCTTGCGGAT | AGGGTTGAGC | AGGTCCTCCA | 46620 |
| AAGTTAGCAA | ACTCCCAAGC | GCAAAGAAAA | AGCTAGTTTC | GATTTTTCCA | CCCCGCCGCG | 46680 |

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| GCCCCTAGTT | CGCCCGCAGC | CCTCGGACTC | ACGCAGCAAG | CGCCCCCTGCA | GGACCGCGGT | 46740 |
| CTGCAAAAGC | ATCAGGAGGA | GAAGCGCCGG | CCTGGCTCGC | GGGCCCATTT | CCCCAGCTCT | 46800 |
| GGCCGCACGT | CCCCGTAAAA | TCTCCGCTTC | TTTTGGGGGG | CGGGGAAACG | GGGATGGCTC | 46860 |
| CAGAAGTCAC | CCTACAGCTA | TTGCCTAGGC | TCAGGAGATG | CCCAGTAAAA | CTTCCTGGTG | 46920 |
| AAAAGCAACA | GGTCTTTCAG | AACTTTAGTT | CTCTCTCTCC | TACAGCAGAA | GGTACCTGCT | 46980 |
| TGTGAAACAC | TAGGTGATCC | AGTGTCCCCC | TTGGTTTTTA | AATCCTGAAG | GGGTGTTGTT | 47040 |
| GATTGGGGAA | AGTAGCTTCG | CAATGTTCTG | ATCTGAACTT | TAGATATTTA | AATATTTATG | 47100 |
| ATTTTCAAAA | TTCAATCATA | CATTTAAAAA | TTTTATCTCA | ACCTTAGACC | AACTTATGTC | 47160 |
| TTATTTGACT | TAGAAATATA | AAGCTTTTTT | ATTTTGTTTT | TTGATTCAAA | TTAATTAAGT | 47220 |
| CATAACATTA | ACCAATTAGA | TCCTACTGAA | ACACCTTCCA | CAGCCTTCAT | AATTGAATTA | 47280 |
| TCTGACAAGT | GTTTCACAAA | CTTTACAGTA | TTGGGATTAT | CTGGAGAATG | ATTAAACATA | 47340 |
| TTGAGGCCTG | CTCCTAACCC | CAGACACACT | GATTTAATGG | GTAATTGTTA | GGTAGTTAGA | 47400 |
| CATTAGCAGT | TGGGAGGGGA | TGACAGAAGA | GAGCGGAAAG | GCTGTCACTA | AGACAGCCAC | 47460 |
| TGGCCACCT | AAATTCAGGC | CCAAGACTAC | CCTAATGCCA | CCCTAAGGGA | TGGAGTTTAT | 47520 |
| GATAAAGTCT | GTGGCCAAAA | TATCCTGGAG | AAAGAGAAAG | GAGGGTACAG | GTGGAAATTC | 47580 |
| CCTAAGGTGG | CACATGCCCA | ACAACACAAA | AGCCTGTCTT | CAAGTTCACC | CCAAGTTCAT | 47640 |
| CATGCCATCA | TTATAATAGA | ATTTACATAC | AGTTTTGCCC | CCCCATCCCT | GGGAGGCTTT | 47700 |
| TCTTAACAAA | TTATAGGTAA | GACCATGCAC | AGTTTAATTT | TAGATTGTAT | AGCTATACAC | 47760 |
| TTCAATCAAA | TAACATCATC | CTGTCACTCA | GATACAGCCC | AAACCTCAAC | TCCTCCCCAC | 47820 |
| AAACCCATA | AAAGCACCTT | GAGCTCTGTA | AAGAAGTGCT | GAGTTCACCT | CGCAGAAATA | 47880 |
| AGCCCGCTGT | CCCTCAGAGT | GTATTATTGT | GCTTCAATAA | ACTTTGCTTT | AAGCTTGCAT | 47940 |
| TTTGGTGTTA | GTTTGTAGTT | CTTTGCTCAC | TATCACAAGA | ACTGAGATTG | CTGGTTCAGA | 48000 |
| GCTCCGGCTA | TAATAATCTC | CTCGGTAAAA | GGATCCATCC | CAATGCATAA | TTCCCAGTAA | 48060 |
| CAGTATGGGA | TGCCACCTGG | GCAATGGGAT | TTTAAAAGCT | TTCCTTCTCC | CTCAACGAAG | 48120 |
| TTTGGGAATT | ATTGCCTTAG | ACATTTCAAA | CAATATTAAT | AAATTTAATA | CACCTGATTT | 48180 |
| GCTCCAAACC | TTTACATATC | TAGCAAATTC | AACAGGCATT | ATTTTTGTAA | GCATGTATGC | 48240 |
| AAATTTTGGC | AATTCAAGAA | AATCAAACAG | GATATCAGGG | CCTCGACTGT | AGGCAAACAG | 48300 |

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| ATACAATAAC | ATTGGAAACA | TGTAGAATAT | TGATGATGGG | CACATTGGGG | CTGATAGTAC | 48360 |
| TATTCCTTTT | TTTCAATTTT | TGGTAAGATA | TAATTAGCAT | ACCATATAAT | TCATCTATGT | 48420 |
| AAAATGCAAA | AATTGGCCCG | GCTCAGTGGC | TCACGCTTGT | AATCCCAGCA | CTTTGGGCGG | 48480 |
| CCGAGGAAGG | CAGATCACCT | GAGATCAGGG | GTTTCGAGACC | AGCCTGGCCA | ACATGGTGAA | 48540 |
| ACCCCGTCTT | TACTAAAAAT | ACAAAAATTA | GCCGGGCGTG | ATAGCAGGCA | ACTGTAATCC | 48600 |
| CAGCTACATT | AGAGGCTGAG | GCAGGAGAAT | CGCTTGAACC | CGGGAGGCGT | AGGTTGCAGT | 48660 |
| GAGCTAAGAT | CGTGCCATCA | CACTCCAGCA | TGGGAGACAA | GAGCAAGACT | TCATCTCAAA | 48720 |
| AAAAAAAAAT | TAGCTGGGTG | TGGTGGCATG | CACCTGTAAT | TCCAGCTACT | CGGGAAGCTG | 48780 |
| AGACAGGAGA | ATCGCTTGAA | CCTGGGAGGC | GGAGGTTGTG | GTGAGCCGAG | ATCATGCCAT | 48840 |
| TGCACTCCAG | CCTGGGCAAC | AAGAGCGAAA | CTCCGTCTCA | AAAATAAAAT | AAATAAAATA | 48900 |
| AAATGCAAAA | ATTAATGGAT | TTTAGTATAT | TTACAGAGAT | GTGCAACCAT | TACCAAAATT | 48960 |
| TTACATTTCT | ATCTCCCCAA | AAAGAAACCA | TGTTCCCCTA | ATTCAGTACC | CTTAATTCAT | 49020 |
| CGCCTCCCAG | ATTCTCCCAT | TCTCCTCCTC | CTCCCCTCCC | AGCCCTAGAC | AATCTTTAAT | 49080 |
| CTACTTTCTT | TCTATTTGGA | ACATTTAGTA | TACATAGAGG | CATATAATAT | ATTGCTTTGC | 49140 |
| CGTGACTGGC | TTCTTTCATT | TAGCATAATG | TTTTTATGTA | TGTTTTTCAT | GGACCAATAA | 49200 |
| TATCTATTAT | AAGGACATAC | CACAACATAT | TTTATTTATT | CATTCATCAG | CCGATGGACA | 49260 |
| TTGGTTTGTT | TCTACTTTAT | GGCTATTGGG | AATAGTGCTG | TTATAAACAT | TTATGTACAA | 49320 |
| GTTTTTTTTGT | AGACTTATGT | TTTGATTTCT | TTTGTTTATA | TATCTAGAAG | TGGGTTTGCT | 49380 |
| GGGTCATATG | GTAACACTGT | TTAACCTTTT | GAGGAATTGC | CACATTCTTT | TCCAAAGTAA | 49440 |
| GCATTTTATC | CTCCTATCAG | CAGTGTATGA | GAGTTCTGAT | TTCTCTCCAT | CTTTGCCTGG | 49500 |
| GTTTTTTGAAT | CAGGGCCCCA | GATAGAACAA | AAATGTGGTT | ATTCAGTTGT | TCCACCATCA | 49560 |
| CTTGTTGAGA | AGACTCTTTT | TTCAATTGAAG | TGTTTTGGCA | CCCTTATCAA | AAATCAATCT | 49620 |
| ACCATAAATG | TGAGAGTTTA | TTTCTGGAGT | CTCAATTTTA | TCCCATTATG | CTATAATCTA | 49680 |
| TAATCCTATC | TTTTTTTTTT | TTTGACAGAG | CCTCACTCTA | TTGCCCAGGT | TGGAGTGCAG | 49740 |
| TGGCCCAATC | CCGGCCACTG | GCTCCTCCTC | CCAGGTTCAA | GCAATTCTCC | TGCCTCAGCC | 49800 |
| TCCCAAGCAG | CTGGGATTAC | AGGTACCTGC | CACCATGCCT | GGTTAATTTT | TGTATTTTTA | 49860 |
| GTAGAGACGG | GGTTTCACCA | TGTTGGTCAG | GCTGGTCTGG | AACTCCTGAC | CTCAGGTGAT | 49920 |

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| CTGCCCACCT | CAGCCTCCCA | AAGTGCTGGG | ATTACAGGCA | TGAGCCACCA | CACCCAGACT | 49980 |
| ATAATCCTAT | CTTTATGTCA | GGACTACACT | GTCTTGATTA | CTATAGCTTT | TTAGTAAATT | 50040 |
| GAATTCAAGA | AGTTTCTCAA | CTTCAAATTT | GATCTTTTTT | TGGAAGACTA | TATTAGCTAT | 50100 |
| TCTCAGTCTG | CTGAATTTCC | CTAGGAATTT | TAGGATCTAT | TATCAATGTC | TATTCTATTT | 50160 |
| TTGTATATGT | TTTAATATTT | TCATAAGAAA | CTTTTTTCAT | TTAAACTTTT | TTTTTTAAGA | 50220 |
| AAAATAGTGA | AAATCAGAAC | ACTGGGGGTC | AGGCGCATT | AACAGGCAGA | AGAAGAATAA | 50280 |
| AAACTTGTC | TATAAACAAA | AAAGAAATGA | CCAATCACAT | TGTGGAAGCC | ATGGAGTGGT | 50340 |
| TATAGGTGCC | AAAGGCTGCA | GAGAAATGGT | GTCAGATATA | CCTGAAAATT | GTCCATTGTA | 50400 |
| TTTGGCCATT | AAGAGACTTA | GAAGACTTAA | GCCATAGATT | GCTCAGTGAG | ACCCCGAGGG | 50460 |
| CAAATGGTCT | GAAGGTGAAT | AGATCATTTT | ACCTTTAAGA | GAGCAGGTAG | GAAGCTATAA | 50520 |
| ATCCAAGATT | AAAAAGTTGA | CTGAACTGTT | AAGGAAGAAA | CTCTAATCTT | GAGCCACCCT | 50580 |
| ATCCTGGCTC | CACCTTCTGC | TGCAAGCAAA | CAGAAATGCT | GAAATTCAAC | ACTCACAAAG | 50640 |
| GCTGGTAAGC | TGGAAATGAC | AAAAATTACT | CCTGGGAAAG | TCAGATTTAG | AATTAGGCCA | 50700 |
| TATTTGTTGG | GGTTCAGATT | TTCATGTACA | CTTGGGAAAG | GGTTTAGCTT | ATAGGCACAT | 50760 |
| GCATGAAGGG | AACTGGTATA | GGGCTGTGTT | CATAAGGTCA | AGAGTTGAAG | GCCAGGCATG | 50820 |
| GAGGCTCTTG | CCTGTAATCC | CAGCACTTTG | GGAGGCCGAG | GCAGGAGGAT | GGCTTGAGCC | 50880 |
| CAGGAATTCA | AGACCAGCCT | GGGAAACATA | GGGAGATGCT | GTCTTCACAA | AACAATTAAA | 50940 |
| AAATAAAATT | AGTCAGGTGT | GGTGGCACAC | ACTTGTGGTC | CCAGCCACTC | AGGAGGTTGG | 51000 |
| GAAGATCACT | TAAGCCTGGG | ACATTGAGGC | TGTAGTCAGC | CATGATAGTG | CTACTGCACA | 51060 |
| CCAGTCTAGG | TGACAGAATG | AGACCCTGTC | TCCAAAAAAA | GAGCTGTATC | CACATCCAG | 51120 |
| GAAAGTGGTT | GAAGATCTAC | TTTTCTCTGT | AAACCTAATA | AAGAATAGAG | TGACAAATGT | 51180 |
| GTGTTGTGGA | AAGAAATGGG | GTGAGAGCTA | CGTAGATGCA | AAACAATACA | TCCCCACATA | 51240 |
| CCACTTGTTA | ATCATCCTTT | TCCACCCACT | TATGGGATGA | ATTGCATCTC | CCCAAAGAT | 51300 |
| ACTCTGTCCT | AACCCTCAGT | AGCTGTGAAC | CTGACCTTAT | CTGGAATACG | GTGAGTTCAC | 51360 |
| TGGTTAAGAA | GAGATTATAG | TGGAATAGGG | TGAGTCCTCC | AACCAATGAC | TGGGGTCCTC | 51420 |
| ACAGACACAG | AGGGATGATG | GCCAGGTAGA | GATGGAGGCA | GAGATTGGAG | TTATGCTGCC | 51480 |
| ACAAACCAAA | CACAGGAAGC | TGCTAGAAGT | GGAAACAGGC | AAGAAAGAAT | CCTTCCCCAG | 51540 |

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| AGGCTACAGA | GGGATCTTGG | CCCTGATAAT | ACCTTGATCT | CAACTGGCCT | ACGTAAGTGT | 51600 |
| GAGAGAATAA | ATTTCTTTTG | TTCTAAGCCA | CCCAGTTGAT | AGTACTTTGT | TACGGCAGCC | 51660 |
| CTAAGGAACT | TGATATACAT | TTCTTTTACT | GTCATAGAAG | TTTTGAATCT | TTTAAGTAGG | 51720 |
| TCTGTACCCT | TCCTCCCAGT | GTCAACACAT | GGAATTCCTC | TCCTTGCGCC | TTGAAAAGTG | 51780 |
| AAAGGTGTTT | GAAGTGGTAA | TGAAAGAAAT | CTCAGCATGA | GGCCAGATGC | TGTACCTCAC | 51840 |
| ACCTGTAATC | TCAGCACTTC | GGGAGGATGA | GGCGGGCAGA | TCAGTTGAGG | TCAGGAGTTC | 51900 |
| TAGACTACTC | TGGCCAACAT | GGTGAAACCC | CATCTCTACT | AAAAACAAAA | AATGTTATCC | 51960 |
| TAGCCGGGCA | TGGTGCCTGT | AGTCCCAGCT | ACTCAGGAGG | CTGAGGCAGG | AGAATTGCTT | 52020 |
| GAACCCGGGA | GGTGGAGGTT | GCAGTGAACT | GAGATCACGC | CACTGCACTC | TAGCCTTGGT | 52080 |
| GAGAGAGCAA | GACTTGGTCT | TAAAAAAGAG | AAAAGAAAAA | TGAAATTTCA | GCATTATAGA | 52140 |
| ATAAAAATGT | TTCCCCTTCC | CCCCAACTT | TAAAAAAGCA | GAAGTCTGCA | TCATAAAATG | 52200 |
| GTCTTTGCCA | ATGTTATTTT | TATTATAACA | AAGGAATCTT | GCAAGGCTAC | CAGATCTCAG | 52260 |
| CAATTGTCAC | TATGTTCTGT | AAAAATCACT | TCCTAAAATG | TCTGAATTGA | CTGCTTGTCT | 52320 |
| CATTTATTTG | TTTCTCGTGT | CATACTGCAA | TGGATATCTG | TCTTGTTAGT | ATAAATATTT | 52380 |
| GTGCATTTTG | TTGTTGTAA | AACAGCTTTT | TTGGCCTGTC | TTCTTCCACC | TATGAGGTAA | 52440 |
| TATAAACTC | ATGTTTAACA | CTTATTTTTG | TAGCAGGACA | AGCTACAGAC | AAAACCCCTC | 52500 |
| AGACACTGAG | TTAAGAAGG | AAGGGCTTTA | TTCAGCTGGG | AGCTTTGGCA | AGACTCACAT | 52560 |
| CTCCAAAAC | CGAGCTCCCT | GAGTGAGCAA | TTCCTGTCCC | TTTTAAGGGC | TTGCAACTCT | 52620 |
| AAGGGGGTCT | GTGTGAGAGG | GTCATGATCG | ACTGAGCAAG | TGGGGGTATG | TGACTGGCAG | 52680 |
| CTGCATGCAC | CAGTAATCAG | AACAGAACAG | GGATTTTCAC | AGTGTTTTTC | CACACAATGT | 52740 |
| CTGGAATCTA | TAGATAACAT | AACCGGTTAG | GTCGGGGGTC | AATCTTTAAC | CAGACCCAGG | 52800 |
| GTGCAACACC | AGGCTGTCTG | CCTGTGGATT | TCATTTCTGC | CTTTTAGCTT | TTACTTTTTTC | 52860 |
| TTTCTTTGGA | GGCAGAAATT | GGGCATAAGA | CAATATGAGG | GGTGGTCGCC | TCACTTATTC | 52920 |
| ACCCCTTTG | AGAATCTCAC | TCATTAGTGG | GAGTTCTCAC | TTTTATTCTC | ACTACCTATG | 52980 |
| TCTTCTTGAA | AGACAGATTG | ATAATGATTC | ATATAGTACA | CTTGTGCTGA | AGCATTTTGG | 53040 |
| TGAGCTAAGG | TAGTGATGAA | GCTTTTTATC | ATTTGGAGAA | GTACAGGTAG | CAAACAAGGA | 53100 |
| AGCAGTAAGC | AGGTTTCTAT | TAATATTATA | ACTCCTATTA | TAAGAGTTTT | AAATCTTCTT | 53160 |

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| AGCACTCGGA | ACCATTTTTTC | AAACATGGCC | CCAGAAACAA | ATCCATACCA | CACCTACATG | 53220 |
| GGCACATGTG | CCACTTTTGT | CATATTTCTA | ACTATGTCTT | CAACTACTTG | CCCTTAATCA | 53280 |
| TCTATGTGTA | GACAGCAATT | AGTAAGGTTA | AATTTCTTAC | AGACCCCTCC | TTCAGTTGCT | 53340 |
| AGCAAGTAGT | CGAGAGCCAA | TCCATTTTGA | TAGATAGCAT | TTTGCATCTG | AGTTTCTTGC | 53400 |
| CAGGCCACAG | TAGTCAGGGC | TCTGCTGGTC | TTATTAGTAA | TTATTTCTAA | GACAGCTTGT | 53460 |
| AACCGTATGA | TTCAGTTGAG | CATGTAAATG | GGGGTCCCAT | ATCCCCACAA | GCCGTCTTGT | 53520 |
| GCCCAAGTAG | CAGGCCCATATA | ATATTGTATG | ATTCTCTCAG | GGGGCCATTC | ATTATTTTTTC | 53580 |
| CAATTTTCTA | TAGCTATGCT | TTTTTTTTTTT | TTTTTTTTTTT | TTTTTTTTTTT | TTTTTTGCGG | 53640 |
| GAAGCATATA | CAGGGAAGCC | CAGGAGTTTG | CCTGTCTTTA | TGGGCAGTAG | GAAGAAAGAT | 53700 |
| GGTTTAGTAG | TGTCAATAAC | ACAACCTACCT | GCCCACTGGT | CAGGTAATTT | GGCATAAGCT | 53760 |
| GTATGCCAC | ATATCCAGTA | TAATCCAGTG | GGGGCTGTCC | AGTCCCGGTG | GGACTCTGGG | 53820 |
| TGGGTCCACA | CAGTTTGCAA | CTTTGGGAAT | TTACTAAATA | GATTTTTCTT | AGTGTGGTTT | 53880 |
| GAACTCCACT | AGGTGGCTGT | TTTTATAGTA | CTATTATACA | GTTTTTGCCC | AAGGCAGCTG | 53940 |
| AGTCTTCCCA | CAGGAAGGGT | GAAGTCCTTC | CCCACTTTTG | CTATACAGTA | TTGTCTAATG | 54000 |
| ATTGAGGCTT | TTAGGACCCA | GAAGTTATCA | GGGTGAGTCT | TTTGAGCTGG | GAATTTATCA | 54060 |
| GGAAGTGGGT | CTGTAGGTAC | TAATTCTCGT | GCTTCCCATG | GCCATTGATC | TCCCATTACA | 54120 |
| GTTCCCTCCAC | ATACATACAT | AACATGAAGT | GACATTGAGA | GACTGGGCTA | CATGCTCAGC | 54180 |
| TAATTGCAAA | AACAAATTTT | TTGTTTTTCC | TGGAATTTCT | AGTACTGGCA | CATTCAGTTC | 54240 |
| ATCATAAGAA | GGTTTGAAAT | ACTGGCTCAG | GGGAGCATTT | ATAAACTTCT | CCTCAAACCA | 54300 |
| CCATATTTAC | TCAAGGATCC | AGTCCAGCCC | CAACTATTTT | TAAGGTTACA | CGATCCCCTT | 54360 |
| TTTTCCAGTG | AGAATCAAGG | GGGTTGGTTA | TTACTAGTTC | TAAGGGGTTA | CACTGACCAC | 54420 |
| TGGTACAGGA | AGGGCCACTT | TTCCCTTTCT | GAAGGTGGAC | AGGATTCTTT | TTATTTTTTTA | 54480 |
| ACCAAGTTGC | CTAAATGACA | CAAGACCAGT | ATCTACATTT | ATTTCCACGC | AGTCTTAATT | 54540 |
| CATGACAAGC | GTAATTATTT | TCTGCCATAT | AGCCTCTTTC | CTAATGAACA | GAACCACATC | 54600 |
| CTATTTCTAA | CTTATTACTA | TTAATGACAG | CACAGGCATC | AAATTTCAAG | GTGACTTGTT | 54660 |
| TGGGCATTCC | TTTTTCTTCT | GTTTTGGCTA | ACACTTTACT | CGTATCGTTT | ATGAACCCCC | 54720 |
| ACCAGTCCTC | AGTCCTCAAT | CTTATTTCAA | AAACTGTGGT | CGTGGGAGGC | TCAGATGGGT | 54780 |

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| CATAACACAC | ATCAGGTTGG | TCATTTCTTG | GGCTACCTAC | CTTGTATAGA | ATAGCATTAT | 54840 |
| ACAAACAAGT | TATTTTTAGA | GTCTTTGTAC | ACTTATAATA | ACCATAAAAT | AATAAGACTG | 54900 |
| TAGCAACTTT | TTGTCCTACC | TCAGTGACTT | GATGTATACA | CTGGGAACAG | CCCTCAGTCT | 54960 |
| GAGGAAGGTT | AGTTGAAGTC | TTTACTGTGC | AAGTCCAAAT | TTTAAGGAAA | ATGAGTCCCT | 55020 |
| TGATGAGTTT | TCTCATGTTT | CGGCCATGCA | TGGACCAGTC | AGCTTCCGGG | TGTGACTGGA | 55080 |
| GCAGGGCTTG | TTGTCTTCTT | CAGTCACTTT | GCAGGCGTTG | GCGAAGCTGC | CACGTACAGC | 55140 |
| TCACAGTCTA | CTGATGTTCA | AGGATGGTCT | TGGAAGTTGG | GCCCACTAGA | ATTAAGTGA | 55200 |
| TCCAATACCT | CTACTCAGTC | ACTTTCAACT | GGGCTTTCTG | ATACCAGGAG | CAAGGTGGCA | 55260 |
| GGTTTTAGGG | TGTTGCAAAT | TTCAATGGTT | ATGCAGGGAT | TTTCACATAG | CAAACTTTGG | 55320 |
| TACTTGGTTA | ATCTAGCATT | TGTTAGCCAA | TGATGTATTT | ATTAAAGTCA | CCACAGCATG | 55380 |
| GAGGGCCTTT | AAGTTTAGGT | TTTGTCCAAG | AGTTAGCTTA | TCTGCCTCTT | GTGCTAGCAG | 55440 |
| GGCTGTTGCT | GCCAAGGCTC | TTAAGCATGG | AGGCCAACCC | TTAGAAACTC | CATCTAGTTG | 55500 |
| TTTGGAGGCC | CAGCCTCGGC | CAGGGCCCCA | CAGTCTGGGT | CAAAACTCCA | ACCGCCATTT | 55560 |
| TTTCTCTTTC | TGACACATAG | AGTGTAAGG | GTTTTGTCAG | GTCAGGTAGC | CCCAGGGCTG | 55620 |
| GGGCCGACAT | GAGTTTTTCT | TTTAACTCAT | GAAAACTCA | TTGCTGTTGG | TTGTAATAGA | 55680 |
| TGTAGTTTAT | CCAATCTACA | TTTTTATTAA | CTGTCACCCA | CCAAAATATT | GACTCAAATC | 55740 |
| CTGCAGCTAT | TTGATTTTGG | GATTTAAATT | GATCTGCTAT | TCCCTGTGGG | ACTCCAATTG | 55800 |
| CATCTAAATA | GATGTGAGAG | TTGAAAGACA | CATAAGGGTC | TTCTCTTGCT | TTACGATGTC | 55860 |
| TTATTTTTCC | TCCCTCTGGT | TGATGAAATG | CTAGGGTGAA | AGGGATAGCC | AATTGGACTA | 55920 |
| AAGTACAAGT | GCCGCTCCAG | TTATTTGGCA | GAGTGCCCAG | TAAAGGTCCA | CCACAATACC | 55980 |
| ACCACACATC | CGCTTGGGGA | TGAACAAAGG | CTGACTGATT | GAGAAGCTCC | TGAAAATTCT | 56040 |
| TAAGCTCACT | GCATCCCTTC | AGGTCTCCAA | GGAATGCTAA | GTTTCCTCCC | TGTCATGAGA | 56100 |
| GACAAGAAGT | GAACCTAGTT | TTGGGAGATG | GAAGCTGGAT | GGCCCTCAGG | GGTTGACCTG | 56160 |
| CAGGGTGCTG | GACTTTGGGA | TATAGCAGAG | AGAGCTTGGC | ACGACTTATT | ACTCCAGGCT | 56220 |
| GTAGAATCCT | GGAAAACAGT | TACCATGCAG | CCCATGCCTG | GTCAACAGGA | GGACCACCTT | 56280 |
| AGTGGAAGG | GGATAATCTG | GCCCTCTGGC | CTGCCATGTG | CACAAGCATA | ACAATTGGTT | 56340 |
| TTGTTTAAATG | TGTGGACAGA | ATATTTGATC | CATTCCAAC | GGGCATTTGC | ATCTTGGTAT | 56400 |

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| CCTGCTTAAT | TATCAAAGTT | TGTTTTAAGT | CTTTAACTTC | TATGACCCTC | TAGTAAAATG | 56460 |
| AATGTATGAT | TTTAGGAAAT | TACAAAAACC | GGTTGGGGCA | GTCCATCCTT | GCTCTTTAGT | 56520 |
| GGTCCACACA | ACATTCGACC | AACTATGGCA | TAAAAGCTCT | ACATCGGGGG | GCAAGACTCC | 56580 |
| TCGTTGACAC | TGGGGTCTTT | ATTGAAATCT | CTCTGGAATA | AATGGTCTCA | GTTTACTAAG | 56640 |
| GCTCAGTCTG | AGGAGAGTCA | GGAGGGACAG | AGGTACTTTT | CTGAAGTACA | GAGATGTCTT | 56700 |
| CGACTTGGCA | AGTCCCCACA | GGGTATAACA | AGGCAAGCAT | TAAATTCAAT | AGTTTGAGGC | 56760 |
| AAAATTGACT | TGGTTATGTT | AATAACTAGA | TGGTCAGAAA | TAGAGTGAGG | GAAGAAGAAA | 56820 |
| GAGTAATAGA | ATAGATGAAG | GAGTTAAATT | TTTCTTAGCT | TTAGTTTGGT | AGGGTTTTCC | 56880 |
| CCTGGGACTA | TGGCCCATGA | CTCTGGAGGG | GGTGGCACTT | TCTTGACTCG | GGTGTGATGA | 56940 |
| GTCCATCCCT | TTTTACCGT | ATGAACAACA | GTCTCGGTGG | TTAGCAGCAC | AAGGTAGGGT | 57000 |
| CCTTCCTAGG | CTGGCTCAAG | TTTTCCTTCT | TTCCACCCTT | TGATGAGAAC | ATGATCTTCA | 57060 |
| GGCTGGTGCT | GGTTTACAGA | AAATTCTAGG | GGTGGTACAT | GTGCTAAAAG | ACTTTTAGTT | 57120 |
| TTGAGGGAAA | GGAAAGTGGA | AGATAAACCA | AGTATATAAC | TTTTAAGAAG | TTGACCTTTT | 57180 |
| GTTTTAAATG | TGGGGACATC | AGCAGTGGAC | TTTATAGTCC | TTGGTGCCTT | CTTACTGAGA | 57240 |
| AATTTCTTTT | AGCACCTATT | TTTATTAGTT | TTTAGACCAA | AGAAAGTCAA | ATGCCATTTT | 57300 |
| ATATTTGACA | ACGCTTCTTG | TATGTTTATA | CCAGATAAGC | TAGATTTTAC | CTTTATATTG | 57360 |
| GTGTGTTATT | AATGTTAAAC | TTAGTTTTTA | TAAAACCTCTG | TAGACATATT | TATTTGATTT | 57420 |
| TTAATGTCTG | ACCATAAGGT | AAGATTTTTA | TAGACTTTTC | TTTAACCTTT | TATAATTTTT | 57480 |
| GTTAAAGAAC | AGGTTAGTGC | TTTAAGAAAA | ACCCGTTGTG | TTTTTATTTT | AATGTTTCAGT | 57540 |
| TCACAGAAAA | ACTGTATGAT | ACCCCTTAAC | TTTAGCCAAT | ATGTTTAGAC | ACAGAATTTT | 57600 |
| CTTTACAATT | AAGGTTTCAA | AACCTTGCTTA | AACCTTCAAA | ACAATTTTTG | TAACCTTTTA | 57660 |
| ATGTAGGTAA | AAATCCACAT | TCTTATGCAT | CCTCATAATC | CTTTTACCAA | AGGTATATTT | 57720 |
| TACTTTCCTT | ACATACCTTG | CACATAAACT | GTTTATTCAA | TAGTTTTACA | TTTAGAAGGA | 57780 |
| GGCCTAATTA | CTTTTAAATT | ATACAACATT | TCTTACATAA | ATTTATTTTT | CTAACACACA | 57840 |
| TTTTTTTCAT | GACTTTCACA | GACAATTCTT | CGACATGCCT | CAACTTCTTG | ACTTATTGCA | 57900 |
| AACATCCCTT | TCTTTAAACA | ACTAGTTAAT | TTATCTCAGG | ACAAGGATTT | TCCATACAAC | 57960 |
| ATTCTTTTTT | ATATAAATTC | TGCCTCCTCT | TTATTTCTCT | TTTTTTTTTT | CCGAGGATGA | 58020 |

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|------------|------------|------------|-------------|------------|------------|-------|
| TAACCATTCT | TTTCCAAAGC | GAACCTCTTT | TATGTCTGTG | GACTAGACTG | TCTAAGGCCA | 58080 |
| CAAGATTAGA | AGTTACTATA | ATACATGTTA | CACTGTTAAC | TTTTAGCAA | CTTTACTTTT | 58140 |
| GTTGAAAACC | TTGTAAGTTT | GGGATTTCAA | TTATCCTTTG | CTATTAATAA | GACCTTATTT | 58200 |
| AGTCCAAATT | AACTTAGAAT | TGGTATAGAT | GGCTTTTTTT | TTTTTTTAAT | TACCTGGGAG | 58260 |
| GAACCATCTA | TCCTCCTGTC | CTGAAGGGAG | TTCCTCCTAG | GTCTGGTCAG | AGCTTTGTAT | 58320 |
| GGTAATTAAG | ATTTAGATCC | CCTGTTAGGA | AACCTGCCGG | GTTAAGAGAA | TTTTCAGTGG | 58380 |
| TTAATGTAA | ATCATCTTCT | TTTTTCTTTT | TTCCTTAGGA | TACTTCTGAA | CCGGTGAGGT | 58440 |
| GTGCTCACAA | TGAGGTTTCC | TGTAAAAGTT | ATTTTTTTTAC | TTTCTTCTGT | TAGCAAAGCA | 58500 |
| GTTGCCGCTA | CAGATTGAAT | GCATTTGGGC | CATCCGCGGG | TTACTGGGTT | AAGGATTTTT | 58560 |
| GATAGGAAGG | CCTTAATGCT | TTTGGAATAT | GCCCTGACAA | CAAAGTGCCA | GTTCTTCCC | 58620 |
| GGTGTTTCA | CACTGCGTTG | ATCCTCCACG | AGGGCCTGCC | ACGTGCTGCT | CTGGTGAGGC | 58680 |
| GTTCCACCGG | GGCAATTGCC | TACCTGGGAG | CGCTCTCCAG | ATCTGTGTCG | CTCAAACCTG | 58740 |
| CTGGAGTTCC | CCGTAGGGAT | GCTCCACAGG | GCAGGCCTAA | GTCGCCTAAG | GGGCTGCCTT | 58800 |
| GACCGTCCGT | TAATCACCTC | TGTCTCCAAA | AACCAGCTCC | CTGAGTGAGC | AATTCCTGTC | 58860 |
| CCTTTTAAGG | GCTTACAAC | CTAAGGGGGT | CTGCATGAGA | GGGTCGTGAT | TGATTGAGCA | 58920 |
| AGCAGCGGGT | ACGTGACTGG | GGCTGCATGC | ATCAGTAATC | AGAACAGAAC | AGAACAGCAC | 58980 |
| AGGGATTTTC | ACAATGCTTT | TCCATACAAT | GTCTGGAATC | TATAGATAAC | ATAACCTGTT | 59040 |
| AGGTCAAAGG | TCGATCTTTA | ACCAGACCCA | GGGTGCGGTG | CCGGGCTGTT | TGCCTGTGGA | 59100 |
| TTTCATTTCT | CCCTTTTAAT | TTTTACTTTT | TCTTTCTTTG | GAGGCAGAAA | TTGGGCATAA | 59160 |
| GACAATATGA | GGGGTGGTCT | CCTCCCTTAA | TTTAAACAAA | ATTTTCAAAG | TCCTACCCCA | 59220 |
| AGTAAATTGG | CAAATATTAA | TAAAGTTATG | GCATAGAAAA | TAAAAATGAT | TGTAAAAGGC | 59280 |
| GTAAAGATAT | TTCTGTGGGG | AAAACATTTG | TTCATTAGTT | ATCAGTTAAA | ATTCTGTGAA | 59340 |
| AAATAACCAC | TAGAGACCTT | AAAGTACCCA | GGGGCTAATA | ATAAGAAGGG | AGGAACACCC | 59400 |
| TCTCACTCCC | CACCGTTACC | TGCCCAGAAG | GGAAGAGGAA | GAGGGTGACT | CCAGGAGAGC | 59460 |
| TGTGGTCTCC | CCTCCCCATA | TGTCCACATA | TACCTGACCT | CCCCTCCCCA | AAATATATAC | 59520 |
| CCAATATCTC | TCCCATATAT | ACATATTTAT | CTGACCTCTC | CACATATGTA | TACCTAAACT | 59580 |
| TTCTCTATAT | ATCCACATAT | ACCTAACCTT | CTCACACACA | TATAGCTGAC | CTCCAGTGGA | 59640 |

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| GGAAAATGGG | GAAGAGAGAA | GAAGTTATCA | AAGGATAAAT | CTAGGTCATA | CTCAGAAATG | 59700 |
| TGAAAAACAA | AAACCACACA | CAGAAAAAAA | AAACACACAC | AAAAAAGAAA | TTGATAAATT | 59760 |
| TGTTTGTGTC | AAAATTAAGA | ATTCCGGTTC | AATGAAGGAT | CCCATGGATA | AAGTTAAGAC | 59820 |
| ACTGCTGTAA | GGATGGTAGA | GAATTAAATG | TCTGAATCAG | ACGAAAGGAT | GAGTAATTAG | 59880 |
| AATGCACAAG | GCCAAGAAGA | ACAAAACAGA | AACTCCACAT | AAAAAATGTA | TGAGGCCGGG | 59940 |
| CGCGGTGGCT | CATGCCAGTA | ATCCCAGCGC | TTTGGGAGGC | CAGGGCGGGC | CGATCAGGAG | 60000 |
| TTTGAGACCA | GGCTGGCCAA | CATTGTGAAA | CCCCATCTCT | ACAAAAAATA | CAAAAAATTA | 60060 |
| GCCGGGCGTG | GTGGTGGGTG | CCTATAATCC | CAGCTACTTG | GGAGGCTGAG | GCAGGAGAAT | 60120 |
| CACTTAAACT | CAGGAGGCAG | AGGTTGCAGT | GAGCTGAGAT | CACACCATTG | CACTCCAGCC | 60180 |
| TGGGTGACAG | TGTGAGACTC | TGTCTCAAAA | AAAAAAAAAA | TTATATATAT | ATATATATAT | 60240 |
| ATATATATAT | ATATATATAT | ATATGAAATA | AATGAACAAG | AAATTTAGAT | ACAGGAAAAT | 60300 |
| CCAAAGCACT | TGGTAATGAA | AGAAAGGTAA | AGTGATGTGT | CCTTTTGCAT | TTAAAAGAGA | 60360 |
| GCATTAACAA | ATTAGAGAGC | TGAATAATGC | TCAGTATTGG | TGTGGATATG | GAGACTCAGG | 60420 |
| AATCCTCATA | CACTGCTGAT | GGGAGTGCCC | ACTCCCTGGG | AATATTTTCC | AAATATCATC | 60480 |
| TCAAACATAT | CCCATAAAGG | TGACAGGAAA | GTGTGGGCTG | ACTGATATCC | TTCACTGAGA | 60540 |
| GAGGTGGAGG | TAAAATGAAG | TCACTGCACA | ATATAGAGTT | GGAAGCAATG | GATTAGATGT | 60600 |
| CCACATAGTT | ACGTGGAAGA | ATCCGTAAGA | TACACACACA | CACACACACA | CACACACACC | 60660 |
| TTTGTGTATA | TTGTTCTTGG | CAGGTAGGCA | TGGAGGTTTA | GAGGCTTTCT | ACATCACACC | 60720 |
| TACTGCACAC | AGTAAATGGC | CAGGCTGAGC | ACTGACTTCC | ATGAAGGGAG | ATTGAAGGTA | 60780 |
| AGAGATTGAA | GATTGTTCCC | TGGTCTGGGA | CCCTGCAACT | GAATATGCAG | AAAAAAGTAC | 60840 |
| ACCCCGCCAC | CCCGCTTCCC | ATCTTTCCTA | CCTGATTAGA | ATAGCTTTTT | CAGAAAACGT | 60900 |
| TGGCCAGGGG | TTGTGGCTCA | CACCTGTAAT | CCCAGCACTT | TGGGAGGCTG | AGGCGGGCAG | 60960 |
| ATCATCTGAG | GTCAGAAGTT | CCAGACCAGC | CTGGCCAACA | TGGCGAAACC | CCATCTCTAC | 61020 |
| TAAAAATATA | AAAAATTAGC | AGGGCATGGT | GGCACACACC | TGTCATCCCA | GCTACTCGGG | 61080 |
| AGCCTGAGGC | AGGAGACTCA | CTTGAAGCAC | AGTGATGGAG | GTTGAAGTTA | GCTGAGATCT | 61140 |
| TGCCACTGCA | CTCCAGCCTG | GGCAACAGAG | TGACACTTTG | TCTCAACAAC | AACAACAAAA | 61200 |
| CCCACCAAAA | CTTTAAATCT | ACCTATGGCC | AAATGCCTGC | TAAAATGAGC | ACCCAAGAAG | 61260 |

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| CAGTGTTTCAG | GAAAGTCAGA | TGAATACCCT | AAAATTAGAT | GCAATGTTGG | CTGGTCACAG | 61320 |
| TGGCTCAGGC | CCTGTAATCC | CAATCCTTCT | TGGGAGGCCG | AGGCGACAGA | TCGCTTAAGC | 61380 |
| TCAGGAGATC | GAGACCAGTC | TGGACAACAT | GGTGAGACCG | TGTCTCTACA | AAAACGTACA | 61440 |
| AAAATGAGCT | GGGAGTGGTG | GCGCGCACCT | GTAGTCCCAG | CTACTCAGGA | AGCTGAGGTG | 61500 |
| GGAGGATCTC | TTGAACCCAG | AAGGCGGAGA | CTGCAGTGAG | CAGAGATCAT | GCCACTACAC | 61560 |
| CCCAGCCTGG | ATGATAGAGC | CAGACCCCCA | TCTCCAGAAA | AAAAAAATAA | AGAGAGAGAG | 61620 |
| AGATGCAATA | TTTAGGGTTC | AACAAGACTG | AATTTCTGAC | TCCTTTCCCT | ACCTCTCCAG | 61680 |
| CATGTTAGAT | TCTGGGTCCCT | TCATCCTAAC | CCCCTGTTCA | TGCCATAGCC | ACCCTGTGGT | 61740 |
| ACCAACTTTG | GAAGCCTGGA | TCTTCATCCC | CTCATGATAA | TGAGTGTCCT | ATCAGGTCTC | 61800 |
| CATGCTCAGC | TTGGCAAGAG | TATCTGTCTT | CTCCTCATGG | GACGGTCACA | TTCACCCAGC | 61860 |
| ACTGACAGGT | TCCATTCCCA | CTAGGGTGGC | ACCCTATATG | GTCTGAGTCC | AGGCCTTCCT | 61920 |
| GGTCCCTCAG | TAATCTCAGC | ATGGTAGCAC | AATCGAAAAG | GGCTAGGCAC | GGCAGCACCA | 61980 |
| TTTCCCACCA | AGAGGTCTGA | TGGCTCATCA | CATAGACTGA | AGGAGATTCT | GAAGAGCAGA | 62040 |
| GGTGGAATGA | AGAATGAATC | GTGGGCTCTG | CTCTTCCTAG | GCCTGTCTTC | CTCTCTCCCG | 62100 |
| AGATGTTAGC | TAACTCATGA | GAGCCAGAAA | CCAACTGCAG | GCTGGCCTCA | GGCACTTAGG | 62160 |
| TAGTGCTTCA | GCCTCAGCAG | TCCACATTCT | AGGAACCCTC | ATAATATGGG | TTGAAGTATG | 62220 |
| CATTCCCACA | AAAATAAAGT | TGTTGAAGTC | CTAACCACCA | GTAAGTAAAT | GGGAAAAGTT | 62280 |
| CCCTTGTTCC | GCTCGCATGG | CATGTGATAG | GAGTGTGGCT | AATTTCTTCA | GTGCCTGGCT | 62340 |
| GCTCAAACCT | CTAGGGGAAC | ATTAAGACGG | GCAGGTTGTG | GGTCTCCAAC | CCCATGACCC | 62400 |
| CACCACAGTG | TCTAGGGTTG | AATGTTTACA | GCTCCTGAAG | CCACAGTGGG | TGTGTGTTAC | 62460 |
| AGGGTGCTCT | TTTAGTTTTG | CCATTTATAG | GCAGCTGGTG | TTAACCAACT | CAATTAGACC | 62520 |
| GTCTACCTTG | TCCCAAGGAC | AGAAGAAGGC | TTTCTGTATC | CCAGGTTCTT | GCCTTGGTGT | 62580 |
| ACCGGAATAA | ATCAGACCAC | ACCTGGGCTT | AGAGAAAGAG | TGCAAGGTTT | TATTAAGTGG | 62640 |
| AGGTAGCTCT | CAGCAGTTGG | GCAAAGCCAA | AAGTGGATGG | AGTGGGAAAG | TTTTCCCTTG | 62700 |
| GAGTCAGCCA | CTCAGTGGCC | CAGGCTCTCC | TCCAACCACC | CCAGTCAAAT | TCCGCCTCAT | 62760 |
| TTTGCCAGGC | AAACGTTTGT | TGTGTGCTCT | TCTGCCAGTG | TGCTCCCCTG | GACGTCCAGC | 62820 |
| TATTCGTGTC | TTGTGGCAGG | CCAGGGGAGG | TCTTGGGAAA | TGCAACATTT | GGGCAGGAAA | 62880 |

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| ACAAAAATGC | CTGTCCTCAC | CGTGGTCCCT | GGGCACAGGC | CTGGGGGTGG | AGCCCTAGCC | 62940 |
| GGGGACCACG | CCCTTCCCTT | CCCCACTTCC | ATATCATTTA | AAGGGACCAT | GCCCTTCCCT | 63000 |
| TCCCAGCACT | TTCCCCCTCC | TGTATCAGGA | CCTGTGAATG | TGGCCTTATT | TGGAAATAGG | 63060 |
| GTCTTTGCAC | TTCATCAGTT | AAGATAAGAG | TGGGCTCTAA | CCCAACATAA | AGGGTGTCTT | 63120 |
| TATAAAAAGG | AGAAATGTCA | TACACAGAGA | CTGACACCTA | TAGAGAGAAA | ATGTGGTGAG | 63180 |
| TAGACACAGG | GAGAATCACC | ATTCAAGTCA | AGCAATGAGT | CTGGGGATAC | CAGAAGCTGG | 63240 |
| GAGAGAAACC | TGGAACAGAT | TATCCCTCAT | TGCCTTCAGA | AGGAATCAAA | CCTGATGATA | 63300 |
| CTTTGATTTT | AGACTTCCAG | CTTCCAGGAC | TGTGTGACGA | TAAATATCTG | TTGTTAAGCC | 63360 |
| AACGAGTTTG | AGGTACTTTG | TTACTGCAGC | CCCAGAAAAC | TAATACAGTA | GGTACTATGG | 63420 |
| ACTGAATTGA | CTCCCCGTCG | CAAAATTCAT | ATGTTGAAAC | CCTAACCCCC | AGTGTGATGG | 63480 |
| TACTTGGAGC | TGGGGCGTTT | GGGAAGTCAT | TATATTTAGA | CAAACTCATC | AGGATGTGTC | 63540 |
| TCTCATGATG | AAATTCATGC | CCTTATTAAA | AGAGACAACA | GGCCAGGTGC | AGTGGCTCAT | 63600 |
| GCCTGTAATC | CCAGCACTTT | GGGAGGCTGA | GGTGGATGGA | TCACCTGAGG | TTGGGAGTTT | 63660 |
| GAGACCAGCC | TGGCCAACAT | GGTAAAACCC | CATGTCTACT | AAAAATACAA | AAATTGGCCA | 63720 |
| GGTGTGGTGG | TGCACGCTTG | TACTCCCAGC | TACCTGGGAG | GCTGAGGCAG | GAGAATCCCT | 63780 |
| TGAAACCAGG | AGGTGGAAGT | TGCAGTGAGA | TCACACCACT | GTACTCTAGC | CTGGGTGATA | 63840 |
| GAGACTCCAT | CTCAAAAAAA | AAAAAAAAAA | AGACAATAGA | GCCAGGTGCT | GCAGCTGATG | 63900 |
| CCTGTAATTC | CAACACTATG | AGAGGCTGAA | GCAGGAGGCT | CGCTTTAGCC | CAGGAGTTCA | 63960 |
| AGACCAGCTT | GGACAAAATA | GTGAGACCCC | CAACTTCTAA | AAATTTAAAA | AATGAACTGG | 64020 |
| GTGTGGTGGT | ACACATCTGA | GGCTCCAGCT | ACTCTGGAGG | CTGAGGTGGG | AGGATTGCTT | 64080 |
| GAGCCCAGGA | GGAGGCTGCA | GTGAGCCATT | GCTGTCCAGC | CTGGGCTACA | CGAGAACCTG | 64140 |
| TCTCGGGAAA | AGGAGAAAAC | AGTGAGACCT | CTTTTCTCT | CCTCCTTCTC | TCCACTGCCT | 64200 |
| AAGCCCTACA | AGCACAAAAA | GGACACCACA | TGAGCACATA | GTGAGAATGC | TGCTGCCACC | 64260 |
| AACAAGTCAG | GAAGAGAGCG | TTCACCTAGA | AACTGAATTG | GCCAGCACCT | GGATCTTGGA | 64320 |
| CTTCTGAGCT | TCCAGAACTG | TGAGAAAGTT | ATTTTTTTTT | TAGCGACTAA | GTCTATAGTA | 64380 |
| TTTTATTACA | GCAGCTCAAG | GTAACATAA | TAGTAGAAGG | GATGAATTAT | GGAGATCACA | 64440 |
| AGTCCACGCC | TCCAGAAAAA | GACTTCCCTA | AAAATTAGTC | TGAGCAAAAT | TCGAATGATG | 64500 |

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| AATTATTTTT | AAGAACTTTT | AAGGGATCTG | ACAAGTTTGC | AAGAGCTAGA | GAATGCTTTA | 64560 |
| CAACGTGATA | ATAGAATGCT | CTGTGATGAC | AGAAATCTTT | CCACACTGTT | CAAACTAGC | 64620 |
| TACTGGCCAC | TTGTGACTAT | TGTGCACTTG | AAATGTGACT | GGTGTCTGAG | GAGCAGAATG | 64680 |
| TTTAATTTTA | CTTAATTTTA | ATTCATTACA | ATAGCTACAT | GTAGCTAGGG | GCTACTGGAT | 64740 |
| TGAACAGCAC | AGCTCGAGTC | TTTTAGAGGG | AGACAGGACT | CACCAAGATG | GATGCTGGTG | 64800 |
| GCCAAGCAGC | AATGGCAGGT | AGTACACACA | CAAGAGGCAG | ATGATACAAC | ACATCCTTCC | 64860 |
| CAAACCTGGA | GATAAGCTCA | CCCCACAATC | CCGCCGCTGA | AATAGAGTTG | ATGTTACCAA | 64920 |
| TGTGCATTTT | TATGTCCTTT | TCCATACAGA | AAGATCATTC | AGCAAGTACT | ATGGTACTTA | 64980 |
| AAAAACAACA | TTCAATTCAT | TATTATGACA | AAATTAAATT | AATAGCTCTT | CCTTAACTT | 65040 |
| TTAAATTCAA | TTTACAATGC | TTACTATTGG | CATTTATTAA | TCTACCAATT | TTTTCCCATA | 65100 |
| GAACCCATAG | AACAAATAAT | CTACCAAATT | TTTAACATTC | ATTTTTGGCA | AGGCTTTTGC | 65160 |
| AATTTGACGA | ACTTTAAGAA | GAAAACTTAT | AAATTGCAAT | TTTTAAATCT | GACATACTGG | 65220 |
| ACTTTTAAAG | TATCCAATTG | ACTAATGAAC | AAAACTGCTC | CAAATTTTTC | AATTCTTAAA | 65280 |
| AATCTTAAGA | CAATACTTAA | TATGGCAAAT | CTTAACCTTCT | TAAACTTTGT | AAGAATGCTA | 65340 |
| ATCAACTTAG | ATTGGTATAA | AGTTGAGTTA | AAAATCACAG | GATACATCAT | CTCAGCTATA | 65400 |
| AGTTTTCATG | AGTTGAGTTT | TTACAATCAC | TTGAAATGCT | TAGAATAGGA | AATACGTATA | 65460 |
| AATTATTTAA | CATAAAATAT | TGTTACAAAA | CCTCTGGAGT | GTCAGTTTCT | CTGGCCAGAC | 65520 |
| TTTATGCTGC | AGCACCTTTG | CCTGAGTTCT | TGTCCTGCAT | CCAGGAAGAA | TTAGGTACAG | 65580 |
| AGGCAAGAGT | CAAGAAGATT | AGTTTTCCAA | TAGTTCAGCT | CACCTAGTTA | ACTCCTGTTC | 65640 |
| ACAATCTTCA | AAGTTATCAG | AAACCTGCAA | TTGAGGGTTA | TAATCCATTC | TTTGCAGAGT | 65700 |
| TTCAAAACAA | GACAACATTT | GTCTATGAAT | GTTAAAATGT | CCTAGGGTAG | TCACAGTCAA | 65760 |
| AAACACAATT | GACAAAGAAA | TTTAGTCACC | TCTGTGATTT | ACAATAGCCT | AACACAATAA | 65820 |
| CTCTAATTAT | AACTGATGAC | ACAAACTCAG | ATATCAGAAC | TCTAGAAATC | CCCTATAATT | 65880 |
| TTGGAACACA | CATTCACAGT | TTTCACTGAA | ATATGACCTG | AAGATCAAAT | ATCACCTTAT | 65940 |
| TTCAACAATC | CTATATAACT | AAACGTGTCA | AATGATCCTG | TTTACCTCTC | CTTTGGATAC | 66000 |
| TCCAGGGGCC | CTCTGTAGCA | TCCAAAAGTT | AGGGGTTAGC | AAAGACAATT | TTGAAGCTGT | 66060 |
| AAAGGCTCAA | AACACTTAAT | GAACCTCTAG | TCATATCTGT | TCTCTACTCA | CTAAATGCTA | 66120 |

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| GTAGCACCTC | TCAGTTGTGG | CTAAGCTGGG | AGGATCTCTT | GAGCCTAGAA | GTTTGGGGAC | 66180 |
| GCAGTGAGCT | ATGATTATGC | CACTGCACTC | CAGCCTGGGC | AACAATGCAA | AATCCTGTCT | 66240 |
| CAAAAACAAA | AACAAAAAAC | AAATTGCCTA | TGCTGTGGTT | ATCTCACAAT | TAATAAAAAG | 66300 |
| GAAAAA AAAA | GSTATGCAGTC | TTTGTAGGTC | CTTGGGGTTT | GTTGGAACTC | AGAAAACAAT | 66360 |
| ACCCCAAAAT | AAAGACCGCA | GAAGCCAAAG | TTTTTCTCTG | ATCTTCTCCT | GCCCTCCTGT | 66420 |
| CTCTGAGTCC | CATTCTCCCC | GGAGTCTAGC | CATAGAAATG | AGAATTCCCTC | TTCCTCAAGT | 66480 |
| TAGGTCATAG | AAATCAAAAC | ACCTTTTCCC | CAGAGCCCAG | CCATAAAACC | TAAAAATATT | 66540 |
| ACTCTAACTT | TCCCTCTGTT | TTTCTGTGTA | AAAAGTGGCC | ATAAAGAAAT | TATCTGAACT | 66600 |
| ACCTTATTTG | ATCATAGATC | ACCAGACCGC | ATTCCAGAGA | GGATCCAGAA | GGAAGGAATG | 66660 |
| CTGCACAGAG | AGGCGAAGAA | GAATCTAGAC | AGACAGGCCT | TGCTGGGTTT | CCCTACTCTG | 66720 |
| TTTATTAGCA | ATCCTATTTT | TACACGGCGG | CCCATACTTT | GTTGAATCTA | AAAAATAAAA | 66780 |
| ATGGACAATT | TCCCCTGTAC | ATGTTAATAC | ACATTAATAA | ATTGGATATA | AATTGGATAA | 66840 |
| TTTATTAATA | TACACATTAA | TAAATTGGAT | GCAGCCGGGT | GCAATGGCTC | ACGCCTGTAA | 66900 |
| TCCCAGCACT | TTGGGAGCTG | AGGCGGGCAG | ACCACGAGGT | CAAGACCACC | CTAGCCGAAA | 66960 |
| TGGTGAAACC | CCGTCTCTAT | TAAAAATACA | AAAGTTAGCT | GGGCGTGGTG | GCACATGCCT | 67020 |
| GTAGTCCCAG | CTACTGGGGA | GGCTGAGGCA | GGAGAATTGC | TTGAACTCGG | GAGGCGGAGG | 67080 |
| TTGCAGTGAG | CCGAGATTGC | GCCACTGCAC | TCCAGCCTGG | TGACAGAGTG | AGACTCCGTC | 67140 |
| TAAAAATAAT | AATAATAATA | ATAATAATAA | TAATAATAAT | AATAAATTGG | ATGCATTTTA | 67200 |
| TCCTATTAAT | CTTCTCTTGG | TCGGTGGTTT | TCAGCGACTC | TTGAGAGGCC | AAAGAGTAAG | 67260 |
| TTTTCCCTTA | GCCCCACAG | GTTCTTATGT | TTAATTTGTT | ACTCTCATTT | AAGACATAAT | 67320 |
| TAAAGTGGCT | TCTCCATGAA | GATTATTTCT | GCATCCATTA | TTTGGTAAGA | TTGGCCGTTT | 67380 |
| TCTCCTTTGA | TCTCTACTTC | ACACTGACCC | ACATAAAACA | TCACTGCCTG | TTTTTTTGT | 67440 |
| GTTGTTGTTT | GGAGACGGAG | TCTTGCTCTG | TTGCCCAGGC | TGGAGTGCAG | TGGTGTGATC | 67500 |
| TCCGCTCACT | GCAAGCTCCG | CCTCCCGGAT | TCACGCCATT | CTCCTGCCTC | AGCCTCCTGA | 67560 |
| GCAGCTGGGA | CTACAGGCAC | CCACCACCAA | GCCCGGCTAA | TTTTTGTTAT | TTTAGTAGAT | 67620 |
| ACGGGGTTTC | ACTTTGTTAA | CCAGGATGGT | CTCGATCTCC | TGACCTCGTG | ATCGGCCCCG | 67680 |
| CTCAGCCTCC | CAAAGTGCTG | GGATTACAGG | AGTGAGCCAC | TGCGCCCGGC | CCCGTTTTTT | 67740 |

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| TTTTTGGTTT | TTGCATGTCT | TCTCCCTTTT | ACTGTAAACT | ATTTCCACTA | CCAGCGTAGT | 67800 |
| TATCATTTCT | ACTGCTTAAT | AATTGTTTTG | GGGAAGTGAA | TGCATCAACC | CACATGAATT | 67860 |
| TCTTGTCTAT | TTGACAATTT | ATTCTCTTTA | GGAATAGTAT | TAACTCCTAA | GGTCCTGGGA | 67920 |
| GCCAGTCTCT | GTACTTGGCT | GCTCCAGGGT | CCTACTTCAG | TTTCCCAGCT | TCTCAGTACT | 67980 |
| GTCACTGTCA | ATTGTGGGTA | ATAATTATTT | TTGTCCACCA | AAAGACTCTG | TATGTGAATG | 68040 |
| AGTTTTGAAA | TCTGCTGAGT | AATACAGTGT | CAACCCAGTT | AATGATTTGC | CGGGCGGCTT | 68100 |
| GATCAGGGGC | TGTCCAACCTA | CCGGCATTTC | GATTTGGAGC | GTCATCTAGT | GTCTGAAAGC | 68160 |
| ACAAACAACA | TCCTACATTG | TAAATGCCTT | TGGCTACAGA | GATTGAAACC | AAAGCAAACC | 68220 |
| TATGTTTTGA | ATTGTTATTC | TTCAGCAGTT | CTGCTAGCTT | TGAAAAATCT | AAAAGTTAAA | 68280 |
| AAAAAGCTTT | ATATTTTCATT | TTCTGCCTAA | ACTCTTTAAA | ATTGCTAGTT | GACAATTAGA | 68340 |
| TATTTTCAAT | TTAATGAAAT | TTTTTTTTTAG | TTCACAGATT | AATACACAAT | GGGGGAGGGT | 68400 |
| TCTTATTCTG | TTGGACTTTT | ACATAACCTC | CACTTTAGTG | CAGTCTGCTT | TATGGGGTCT | 68460 |
| TGTTTGAGGT | GTGTGTGTGT | TTAAGGGAAT | GTGGTTTACA | ATCAAAATAT | TGGGTTGCTC | 68520 |
| TTAGGCACAT | TGTAAAGTCA | CACACCTGTA | TTCTTATTGA | TACATAATGA | TTAATAACAT | 68580 |
| TATTATTACA | GCCTGATCAC | CATCATTATT | GATATATCTA | AATAATGAAT | TTTATAATTT | 68640 |
| TGCTTCCTGT | CAGGCAAGAG | CCAATTTTCAG | TGCTACCATG | TTTGTATAGC | AGTATTTATG | 68700 |
| TCTGTCATCC | TCAGTCATTT | TACTTCACTT | GTTCTTAGCC | AAACGGCCGA | GAAGCGATGG | 68760 |
| TCATTTTACT | TCAAAAATGA | AAAGAATTAA | TATTTTACG | TTTCCCTTAA | AGACCCTATG | 68820 |
| TTTAACCTCC | ACTCCTGGGT | AAAATGGTCT | AGTCCCTCCT | TTTCATATCA | TCTCTGATAT | 68880 |
| CTTTTGCACA | GCCACTATTA | CCTACCGTTT | TCTAGATCCC | TATTCTTCAA | ACACCACCAT | 68940 |
| GAAGGTAGAG | CCTGTCTGAA | TTATTTTCTT | GTCCCCTGAA | CTCAGTACAT | TGTTAGGCTT | 69000 |
| CTTGAAGATG | TTGATCAGTT | GTTTGTGGAG | TGAATGAATC | AGCTAGCATG | ATTTTCTAG | 69060 |
| ACCACTGAGA | CAAGTGTCTA | AGACACTTGT | TCCTTCCCAT | GTTCTTGCCT | GCCTGTGCAA | 69120 |
| TCCATGCAGT | CTCATGGCTT | CCCAGTGCCT | CAGAATTATC | CCCTGTCAAA | CAGGCATTAT | 69180 |
| AATTTCTGTC | CACTGAAAAG | GACAAAAAAC | TAAGTGTATA | GCTAGAAGTT | AAAAATTACC | 69240 |
| GGCCAGGTAC | TGTGGCTCAC | TCCTGTTATT | CCAACATTTT | GGGAGGCTGA | GGCGGGCAGA | 69300 |
| TCACCTGAGG | TCAGGAATTC | GATACCAGGC | TGGCTAACAT | GGCGACCCCG | TCTCTATCAA | 69360 |

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| AAATGTAAAA | GTTAGCCAGG | TGTGGTGGCT | CGCACCTGTG | GCCCCAGCTA | CTCAGGAGGC | 69420 |
| TGAGGCAGGA | GGATCGTTTG | AGCCCTGGAG | GTTGAGGCTG | CAGAAAAATA | GGAATATACT | 69480 |
| CTCTTTCAAG | AGTTCGTGGT | TTTGA CTGCC | ACCTAGCGTA | CATCAGAAAA | ACCGCATGAC | 69540 |
| ATAGGAAATG | CCTGTGACAG | AGGGGTAAAG | TGAGAGAGGT | TGATGAAGAA | TGTATTGAAG | 69600 |
| GAGTGAAAAC | GCTTCCATCC | CTCTACTTAC | TAAATATATT | AGTTAAGTAG | TTGGGGCATA | 69660 |
| TTTTAATTCA | TGCATTTTGT | AGATAGAAAA | ACAAAAGTTT | TATTCTGTTT | GATTTAGTTG | 69720 |
| ATACTTTAAT | ATGTGTGTGT | TTAGGATGCA | TGATTTATAA | TCAGTCTGCA | GCACTTCTTG | 69780 |
| GAGAAGTCTG | AATTCTCATT | CTCCATTTCC | TTATTGGCAA | CGTGAGAATG | ATTACAATGG | 69840 |
| TGGTTGTCTC | ATAGAATGCA | GGGAGTCAGA | ATGAAAATAG | TCCATATAAT | GCCTGGTGCA | 69900 |
| GAGGAAGGGT | TCAGTTAACT | GTCTGTATTA | ATATTACTGA | TAACAGTCAT | GACAAACAAA | 69960 |
| AGCTTAACAA | CAACACCACC | AACAACAGTT | GCAGAATTGA | GCCACCAATT | TGCACACAAG | 70020 |
| ATTGTAGGTA | GGATGTTTTA | GAAAAGTTAT | TATTTAATAT | ATGTATATAT | TTTTGTACTT | 70080 |
| AAAATATGTC | AGAGGTTGTT | CTAAGAACTA | TTTAAATGTT | AACTCCTTAA | TCCTCATAAT | 70140 |
| GACCCATGAA | ACAGGTAGGC | TTATTATTGT | CTCTTTACAT | GTGAGAACAC | TGAGACACGA | 70200 |
| AAAGGTTTAT | TAACTCACCC | AAAGTCACAC | AGCTGGTAAA | ACGGCAAAAT | TGAATTTGAA | 70260 |
| CTCAGACATT | CCAGGTTCCA | AGACAGTCTA | ATTATTCTTT | TGACTAATAT | ACTAAGCTGC | 70320 |
| CTCTGTATTT | TTCCTTGATT | ACTTTGTAAA | AGTATGAGGA | AAATATAAGT | GCTTCAAGTA | 70380 |
| ACCATGAAAA | ATATAAACAA | TCTATGTATC | AACTGAAGCA | TAATTACAAA | TCCTTTGATA | 70440 |
| AGCAAACATA | ATAAAAATTT | GATATCAATC | AAAACTTTCA | TGTAATGTAA | GCAGGTTGAG | 70500 |
| ATGAATTCTA | TAGTAAAAAA | GTGCAGAGTG | CTGGAATACC | ATGCTCCTAA | TATATTGGCT | 70560 |
| AGGCACACCT | GCCTGCTATC | AAAGGTATGC | ACACACCTTG | GATACAGAAA | GTTGGGACTG | 70620 |
| GGTAGTTATG | TGAGTGTCAT | CAGAATTCTT | TCCCCTTGG | GAAAGAATTG | TCCATCATAA | 70680 |
| GCTTGATGA | TGGACAAGGA | GTGAGCTCCC | AGAACAGTGA | TGTGGGGATA | CATCCTCACA | 70740 |
| TCACAGTGAG | AATGAGTGTT | CTAGACTGTT | TACACACCTA | CCACTCCTAA | ATGCACACAT | 70800 |
| ATAATTGCTT | GCACACACAC | ACATACACAC | TCATCTCTTC | TCTGGTGGTC | CAGCTCTATC | 70860 |
| TCTTATCATT | AGGCTTCTTG | GGGCTAGTAC | CTAGGGCCTG | TATCCTTTCA | GAGGCAGCTA | 70920 |
| AGGGAAGCAC | ACATAATTAG | AAAGAATGAA | CCAGCTTGTT | GGATTTGGTC | TCTTCGCATC | 70980 |

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|------------|------------|------------|------------|-------------|------------|-------|
| CAGCCCTCCA | AGTTAAGGAG | AGTACCATCT | TTCTTAGGGT | CACCAAAGGA | AAAAAAAAAA | 71040 |
| AAAGAAAGAA | ACAGAAGGAT | ATCATACAGC | AAGGATCTAA | TGCAAATATG | CCTCAAATGA | 71100 |
| GAGGCTACTG | TGTGCTGATC | CCAATCCCAG | GAAGTGTATG | CACATTATCT | AATTTAATCC | 71160 |
| TCACTGTATT | TCTGGGAGTA | TTATTCCCAT | TTTACAGAGA | AGGAACTTGG | CAGGGTAACC | 71220 |
| AAGCTCATGA | ATGGAGAAAC | TGGGATTAAA | TATAAAGCTT | CCTTGCTCCA | GAAGTGTCTG | 71280 |
| CTTTCTGCTC | TTCCACACTA | CCAGCTCAGC | TGTGCTCTCT | ACATGCAGGC | AGTTTTACAA | 71340 |
| GTTTCAGATT | AGCCTGGGAC | TTCCAGGGTT | TTGAATGGGT | TAGGGAATGG | GGAACTTTTG | 71400 |
| GGTTTACTTT | CCATTTTTTC | TTCATACATA | TGTAATATAT | AACATAAATC | TATGGTATAT | 71460 |
| ATGATAAATA | TATGGCTACA | TATGAACTAT | ATAATCACAT | ATATGCATTA | TAAATAAATA | 71520 |
| TTAATTTTAT | AATATTTTAA | AGGTTATCAA | ATAAATATTA | ATATAAATAA | TTAAATAATT | 71580 |
| AATACTCAGC | TTTGTTTTCC | AAAGTGATAA | ATGCCTATAT | TTAGCAAAAT | ATTTTTTGGA | 71640 |
| GGCCTGATAG | TTTTTAGGAG | TGTAAAGAAG | TCCTGATATC | TAAATGTTTA | AGAACCACTA | 71700 |
| TTTTAGGCTG | TTGTCTTCTG | TCTTATTTTC | CCAGCTAGAC | TGGTAAATAC | TTGAAGGCAA | 71760 |
| ACGTTTAGCC | AGCACATTAA | CATTTTATGT | TTTTATTCTT | TTGTGCTCTC | AGTGGCTGTG | 71820 |
| TCTTTTCTAT | CGATTTCTCA | CACTGTATGA | TGGTTATATT | TGTCTGTATC | TGTCCCACCA | 71880 |
| GGTATAAGTT | CTTGAGAGGA | CACACTGCTA | GGCTGATCTT | AGTTTTTTATT | ATTTCTCCTG | 71940 |
| GTGTCCTGTG | CTTAACAAGT | GCTCATTAAG | TGTGTAAAAA | CACAGCACAG | TAAAAAACTA | 72000 |
| GACATTAAAA | AATAATGTCA | ACCAATCTAT | TGAAATTTGC | ATTTCCATGT | TTCTTCCAAT | 72060 |
| ATAGTCATTG | TGTCAGGTTA | TGTAATTATT | CTGATGAAGA | CTATTGCCTA | ATATACGTTT | 72120 |
| GCATCTTGTG | CTTTATAACT | GCCTTCATAT | AGACACAGAT | TGAGAAGGTG | TAAAAATGTG | 72180 |
| CATATCCTCA | CAATTGACAA | ATTCTTATCC | TTTGAGGGTA | GGTTTGAAGT | TCTGAAATGC | 72240 |
| TTTGACATCA | TTTGAAAGAA | GCTTGAAGAA | TAAGATAGCT | GTTAATGACC | CAGTTTCCTA | 72300 |
| TGTAAGTTAT | ACAATTATAA | TGGCAATTTT | AAAATGTTAG | GTAAATATAT | TTTGCAATAT | 72360 |
| ATTGTTCCCT | TTGTAATACT | CTCTATGTAT | TTATTTATAT | TTTTAAATTT | TATATTTATG | 72420 |
| TATTTATTTT | TCTGGACAGA | GTCTTGCTCT | GTTGCCAGG | TTAGAGTGAA | GTGTTGTGAT | 72480 |
| CATAGCTCTC | TGCAACTTCA | AACTGCTTGG | CAAAAGTGAT | CCTCCTGCCT | CAGCCTCATG | 72540 |
| AGTAGAGTAG | CGGGAAGTAC | AGGCGCATGC | CACTGCACCC | AGCTAATCAC | TATTTATTAT | 72600 |

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|-------------|------------|------------|------------|------------|------------|-------|
| GCTCCTACTG | TGTGCTTTAG | TATATTTTCT | GTTGTTTTCT | GCAACCCATT | TTGAGGGCGT | 72660 |
| GTTAGGGAAT | ACAGATGCAG | TAACTTTCGT | CTCAGCCCTT | GAGGTGAGGA | AATATTTAGC | 72720 |
| CTCAGGTTTA | ATCTAATTGT | TGGCCATTTG | CCTTCAAAGA | TTGAAATATG | AGCAAAACTG | 72780 |
| TGGCTCTGGG | TTATATGTTA | AAAAAAAGTT | TATGGGGCTG | AAGCCAGGCA | ACAGACAAGA | 72840 |
| GCCCCTACAA | TCTTATTTAG | GCTGAAAATA | TCCTGGAGTC | CCTGTATTGT | TGGTCTCAAG | 72900 |
| CAGATAGCAA | CACTAACACT | TACTCTTTGA | GGCAGGCACT | GCCAGTGGGG | TGGCTGTTAT | 72960 |
| TATTAGCTTC | ATTAATTGGT | GAGTCAGGAA | AAAACAGCTT | TAAATCATTC | AAAGTTCTGG | 73020 |
| CCTATACAGG | ATTTAGTAAT | ATTAGGTTAG | CTACATCCAA | AAGATGACAG | AACCCTACTC | 73080 |
| TAAGGCTGGG | CTTGGTGTTT | CACACCTATA | ATCTCAAAAC | TTTGGGAGGC | TGAGGCAGGA | 73140 |
| GGATCACTTG | GTGCCAAGAG | TTTGAGACCA | GCCTGAGCAA | CATAGTGAGA | CCCCTGTCTC | 73200 |
| TATCAAAAAC | AAAGAACTCT | AATTGGCATA | GTAAGAAGAA | AAAGTGAAAG | AAAAACCAGC | 73260 |
| TGTCACCCCTC | ATTCCTTACA | CCTGTCCTAA | CAACTCCTCT | CACTATCCTT | TGAATATATC | 73320 |
| TTGGCTGTTT | GAGTCTCTCT | CTAGCCCCAT | TACTGCTGTT | TGGACTTGAC | ATTTTGCTCT | 73380 |
| GCATTTTTTAA | CTTTTCTACC | AGGGTTTCCA | GACCCTGAAG | AGTGTGGCAT | GAAACAAAAC | 73440 |
| TAGTCAACCT | ATAATATTTA | TGATGTGTGT | GTAAATAAAA | GAATACACAA | TATATTGCAT | 73500 |
| TACAATATTT | TAACTGTGTC | CTCAATTTGT | TTGTGGCTTT | CTTGAGGACA | TCAGTTTTTG | 73560 |
| GTGGGACGAC | CACATCCTTA | ATCTGAACTT | TCCCTTGGAG | GTCATTCTTT | TTTTTTTGAA | 73620 |
| ATAGAGTCTC | GCTCTGTCAC | CCAGGCTGGA | GTGCAGTGGC | GCAATCTCAG | CTCACTGCAA | 73680 |
| CGTCCGCCTC | CTGGGTTCAA | GTGATTCTCC | TGCCTCAGCC | TTCCAAGTAG | CTGGGATTAC | 73740 |
| AGATGCACGC | CACCATGCCG | AGCTAATTTT | TGTATTTTTA | GAAGAGACGG | AATTTACCA | 73800 |
| TGTTGGTCAG | GCTGGTCTTA | AACTCCTGAC | CTCATGATCT | GCCCACCTCA | GCCTCCTAAA | 73860 |
| GTGCTGGGAT | TACAGGCGTG | AGCCACCCCG | CCCGGCCAGA | GGTCATTCTA | ATAGACTTTT | 73920 |
| TTTTTGTTGT | TGCTCACAGG | CTTGTTCAAT | CTTATTTCAA | AATTTGAGAA | ATACAGTTTC | 73980 |
| CATGGAACAC | CAACCAGATA | TCAGGTTGCT | ATGGAGTTGA | TAGTCAAAAG | CTTTGTATCT | 74040 |
| TCCAGTTTTT | CAGAATGGCT | TCTAAAGGTT | CTGATTCAGA | GCTCTTAGGC | GAAATTGAAC | 74100 |
| AACCAAGTGT | CAAAGTACAA | CATTCAGGAA | GTAAAAACA | TGACTGACAT | ATATGTACTA | 74160 |
| TATATAGTGA | GCTTGTGTAT | GTGTCAATGA | ATGATTTAAT | TCATTAATGA | AGGAGGAAGC | 74220 |

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| AGAATCACAA | TTAGGTCAAA | GGAAGATACG | GGAGAATAAA | ATATGTATTT | GGTCAGGGAA | 74280 |
| AGGATGTATA | CTGGAAGAGG | AAGGGAAAAT | CAGATATAAA | GTTGTTTAAT | GACTTATTAG | 74340 |
| GCAATACAAT | AATAACTTTT | AGGGTCATTT | TTTCTATATT | AAGAATTCAT | TTCCATCTCT | 74400 |
| ATGACAAAAT | CCTTATTAAT | TTATTAAACT | TCTACAAGTG | AATGTTTACT | TTTAGATAGT | 74460 |
| CTGGACCCAA | TAAAATGTAA | ACATTAAGTC | AGAGTTACTT | TCACGTAGGA | CAGTGTTGTC | 74520 |
| CAATAAGGTA | CCACTAGCTA | CACGTGATCA | TTGACCATTT | GGACTATAGC | TAGACTGATT | 74580 |
| TAAAATGTTC | TAAAAGTGTA | AAATACACAC | CAGGTTCTGA | AGATTTATCA | TTTAAAAAAG | 74640 |
| AATGTCAACT | GTCTTTTTTT | TTAGCTTATT | TATTATATGT | TGAAGTGATA | ATAGTTTAGA | 74700 |
| TATATTAAGT | TAAATAAAAT | ATCTTAAAT | TAATTTTACT | TGTTTCTTTT | CATTCTTTCA | 74760 |
| ATGTGACCAC | TAGAAATCTG | GAAAGTATTT | ATGTGATTCA | CATTCTATTT | TACTGTCTAG | 74820 |
| TATTGCCTTA | CATCATCAGG | TACCCCATAA | GTAGGCTTTT | TAGATAATTC | TCTAATATAG | 74880 |
| CTTGGAAGGA | TATGGAGAAA | TATTTTTGCG | TTGCTTTTAA | GTTTTGCATA | ACTTTTTCAA | 74940 |
| CACACTTTAT | AAAGGATCTA | GAAAAGGGTT | GGTTACATGT | TTCTCTGTCT | TCTGGCCTCC | 75000 |
| ACCATGTTGC | CAGGAGGTTG | GGGACAAGAT | TCTGGGTGGC | TGGATGTCCT | AATGGCTTGA | 75060 |
| GGTCTGGACT | TGAGATTTGC | ATATAAAGAG | ATGTGATTAG | ATTGAGTCGA | CTAGAAAAAT | 75120 |
| CATATTAGAG | AACTGAATCA | CAGCGATTAA | ATTTACATGT | CGATTTATAA | ACCAGGACAC | 75180 |
| CAATTTATAG | TGAAAGAAGG | TCCAGTTACC | TGGTAATCAA | GACGTTTCAT | AGCTATTTTC | 75240 |
| ATGATGGATA | TACTTAGCTG | AGTTTTAAAT | GAGAAGGGGG | TTCATTGCAC | ATAGAATAAG | 75300 |
| ATCTAAGTGA | AATGTTTATT | TTATTTTTTT | TTTTTTGACA | TGGAGTCTTG | CTCTGTTGCC | 75360 |
| CAGGCTGGAG | TGCAATGAGG | CAATCTCGGC | TTCTGGAGTG | CAATGAGGCA | ATCTCGGCTT | 75420 |
| CTGGAGTGCA | ACGAGGCAAT | CTCGGCTCAC | TGCAACCTCC | ACCTCCCGGG | TTCAAATGAT | 75480 |
| TCTCCTGCCT | CAGTTTCCTG | AGTAGCTGGG | ATTAGAGTTG | CCTGCCACCA | CGCCAGGCTA | 75540 |
| ATTTTTGTAT | TTTTTTTAGT | AGAGATGGGG | TTTCACCATG | CTGGCCAGGC | TGGTCTCGAA | 75600 |
| CTCCTGACCT | CAGGCGATCT | GCCCGCCTCA | GCCTCCCAA | GTGCTAGGAT | TACAGGCGTG | 75660 |
| AGCCACCAAG | CCTGGCCTAA | GTGACATGTT | CTTATATTGT | TCCTTTCCTT | CTTTTTTTTT | 75720 |
| CGACTGAGTC | TCACCCTGTT | GCACAGGCTG | GAGTGCAGTG | GCGTCATTTT | GGCTCATTGC | 75780 |
| AACCTCTGCT | TCCCGGGTTC | AAGCGATTCC | CTTGCCTCAG | CCTCCTGAGT | GCCACCACCC | 75840 |

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| CCAGCTAATT | TTTGTACTTT | TAGTAGAGAT | GGTGTTCAC | CATGTCGGCT | AGGCTGATCT | 75900 |
| CAAACCTCTG | GCCTCAGGTG | ATCCGCCCCC | GAGTCTCCCA | AAGTGCTAGG | ATTACAGGCG | 75960 |
| TGGGCCACGG | GGCCCAGCCT | TATATTATTT | CTTTTACTAC | AATATATTAG | TATGATGCAG | 76020 |
| GTGCTTCAAT | TGTTTATACA | CTTTCCATAA | TTTGTATAA | TTCTTATACC | CTGTCACTCT | 76080 |
| GAGGAATAGC | CGGTCTAAGT | GTTTTTCCAC | CACTGCTAAT | TCATCCATCA | CTAATCTCAT | 76140 |
| TAGACTGTTA | ATTCCCAGAG | GACATAAGCA | CACAAGCAGA | CAATGTTTAC | AAATGTTGGA | 76200 |
| CAAATGTTAT | TTAATAAAAC | AATGGGGTCA | CCCTTAGTCT | AAAAGATGTT | TCACTTTTCA | 76260 |
| TTTGTCAATTG | AACTCTTATT | TGTAGGTTCC | CTTTTGACTT | TCCCACAATC | TAAGGCTGTT | 76320 |
| CTCTTTAACA | CATATTTTCA | TGAAAACATA | TATTTGAGCA | GAAATTGTTG | GGGAGTTGTA | 76380 |
| ATATTACCTT | TGTCCCTAAA | TATGAATCTA | TAATTATATC | AAATATATGG | GCAGACAATT | 76440 |
| TACTTTGCCT | TTAATCTCAA | GAAAAAATA | GCAATTACTT | GGGGTCGGAG | AGTAAAATAA | 76500 |
| GAAGTAGTGA | ACCTTAAAGT | AGCAAACTTT | AGAACAGAAT | AGTTTCAGAG | GGGATGAGAA | 76560 |
| GAGGTGATTT | TTCAGCTCAT | CAACAACAGA | TCTTATAATA | AATTACATGT | TCTGGTACTT | 76620 |
| TTCTTGCTTT | TCTGTGTTAA | ATTTTGCTAT | TTAAAAAAT | AAATTTCAA | TACATTGTTC | 76680 |
| ATCTTAAAAG | TCAAGAGTGT | GTTTTATTAA | AGTCAGTTGC | TTTATTTGCA | ACTCAAAGA | 76740 |
| TATATTTGAG | TTCCCAACTG | GAGATTGTCC | TATATGGTAA | CTTGCGTAAG | GTATGGTTAC | 76800 |
| TGAAAGTAAC | CTACAATTTT | CATGGGCTGA | AATTCATTTT | TATATTGCAG | CGTACAAAAA | 76860 |
| TAAATAAATA | AAAAATGCTT | GTTTTCTTTG | AAAACATATT | ATCTCAGTGC | CTCTAACTGC | 76920 |
| CAAATCTATT | GGCTTTTTTTG | CAGGCTTAAG | GGCTCTCCCT | TGTTCCCTTA | TGATCTCTAT | 76980 |
| CTTGAGGGCC | AGACCTCCTG | CCTTACACAA | CTCAGAGGGG | GACCTCAGAG | CTCTTTAAAA | 77040 |
| AGAGCCCAAT | TTCTCGCCTG | TAGAGAAGTG | AAAAGGATGC | CCCACCCCA | TCTATGAAAA | 77100 |
| GAGGGATTTG | ATAGTTTCAA | TGTCTTCAAA | TCAAAGATTT | AAGTCTGTAG | CCCCCACCA | 77160 |
| CCCCGGACCC | TAGCAAGGCT | CATGAACCCC | CTCCCATCCC | GCCCTAATTG | CTTTGGACTG | 77220 |
| GCCGTGGAAT | CCTTGTCCTA | GTCCACAGTT | CCTGTGCGAC | TGCACGAAGA | ATTCACAGAG | 77280 |
| GACCTGTGTT | ACTTCCCTTG | TGAAGAAACA | GAATTATCAT | GAAAATTTAG | GTGGAAACCA | 77340 |
| TTTCGCTTTT | TTCTTCAAAA | ATAAGGGAAG | CATGTGCCCA | ACCACCCCTG | GGAAAAAGAA | 77400 |
| CCTTCAGGGG | CAAAGGAGCG | AACAGGTAAT | TTATAAGAAA | AACAGAAAGT | GGTCTCTGAC | 77460 |

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| TGCCCCAGAC | TTCCTTCGGA | GTTGGGGGAA | TTGGGGACGC | CTGGACGCGT | TGTTTTTTGTG | 77520 |
| TTTGTGGAAA | AAATAAATGA | AGAGCATGAA | GCCCGAGGCT | TCTGAGATCC | TTTCCTGACC | 77580 |
| AAACCCAAGT | GATTTTGGTGC | GGGGAATTTT | AATATTTTTTC | CCCTTTTGTG | AGGTGGAACA | 77640 |
| AACACAACCTT | GGGAGCAGCG | CAGCGGCTCA | GAGCCTGCCA | GCCAGGCGGG | CGACCAGAGC | 77700 |
| ACCAATCAGA | GCGCGCCTGC | GCTCTATATA | TACAGCGGCC | CTGCCCAGGC | GCTGCTTCAT | 77760 |
| CGGCGCTTTG | CCACTTGTAC | CCGAGTTTTT | GATTCTCAAC | ATGTCCGAGA | CTGCTCCTGC | 77820 |
| CGCTCCCGCT | GCCGCGCCTC | CTGCGGAGAA | GGCCCCCTGTA | AAGAAGAAGG | CGGCCAAAAA | 77880 |
| GGCTGGGGGT | ACGCCTCGTA | AGGCGTCTGG | TCCCCCGGTG | TCAGAGCTCA | TCACCAAGGC | 77940 |
| TGTGGCCGCC | TCTAAAGAGC | GTAGCGGAGT | TTCTCTGGCT | GCTCTGAAAA | AAGCGTTGGC | 78000 |
| TGCCGCCGGC | TATGATGTGG | AGAAAAACAA | CAGCCGTATC | AAACTTGGTC | TCAAGAGCCT | 78060 |
| GGTGAGCAAG | GGCACTCTGG | TGCAAACGAA | AGGCACCGGT | GCTTCTGGCT | CCTTTAAACT | 78120 |
| CAACAAGAAG | GCAGCCTCCG | GGGAAGCCAA | GCCCAAGGTT | AAAAGGCGG | GCGGAACCAA | 78180 |
| ACCTAAGAAG | CCAGTTGGGG | CAGCCAAGAA | GCCCAAGAAG | GCGGCTGGCG | GCGCAACTCC | 78240 |
| GAAGAAGAGC | GCTAAGAAAA | CACCGAAGAA | AGCGAAGAAG | CCGGCCGCGG | CCACTGTAAC | 78300 |
| CAAGAAAGTG | GCTAAGAGCC | CAAAGAAGGC | CAAGGTTGCG | AAGCCCAAGA | AAGCTGCCAA | 78360 |
| AAGTGCTGCT | AAGGCTGTGA | AGCCCAAGGC | CGCTAAGCCC | AAGGTTGTCA | AGCCTAAGAA | 78420 |
| GGCGGCGCCC | AAGAAGAAAT | AGGCGAACGC | CTACTTCTAA | AACCCAAAAG | GCTCTTTTCA | 78480 |
| GAGCCACCAC | TGATCTCAAT | AAAAGAGCTG | GATAATTTCT | TTACTATCTG | CCTTTTCTTG | 78540 |
| TTCTGCCCTG | TTACTTAAGG | TTAGTCGTAT | GGGAGTTACT | GAGGTATCAG | ACGAATTGGG | 78600 |
| TGACGGGGTT | GGAGAGTGGC | CGTGGTGAGG | TTACAGCATT | TAAACCTTTA | TTGCGGCTTC | 78660 |
| TAGGTCCCTG | ACCGGAGGCT | TTTCTCGCTG | GCGGATGGTT | TTGGGATGGC | AGTCCCGCCC | 78720 |
| CAGGCCTGTG | AACGGCAGAA | AAGACCGCAA | AACAAGAGCC | AGTTTCTTAG | TCTAAAGGGA | 78780 |
| TGTCCGGATT | GGACTAAAAA | ATTTTCAAAA | GTCCCGCCCT | GCTCCCGGGT | TGGTCCGTTC | 78840 |
| TTCTAGTACA | TGACTTTTCAT | TCTGTATTTA | ATTGGATGGT | GGAAGACGTT | GCTTATTCTG | 78900 |
| TGTTTTTTTG | TTTACTGTGA | CTTAAAAGTT | TTGCCTCTTT | TCTCTTTATA | TTAATGTCTG | 78960 |
| GGATTTTCGA | CGCTTTCCAT | GTTGTTGGTA | GTCAAGTTGA | TGTCTCCTGG | AGGTAGTGGC | 79020 |
| AACATCCAGC | CCTGGGAGGA | GAGTGCGTGC | AGGTACCTTT | GTCCTACATT | CCTCTGCTGT | 79080 |

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| TAATTTCTCA | TTCCTGTGGC | AACGAAGGAA | TGCATTTAAA | AAACAGCCAC | AACAGCGGCA | 79140 |
| ATAGCCCTTC | CTCCACCCAA | GGCAATCGTG | GACCTAGGGA | GTTTTTTGTG | CCACATAACA | 79200 |
| TGTAGCCTTC | CGCTAAACTG | ACAGGTTTGA | GCGTATCGAT | TTTGAGCGTA | TCGAAAGCAC | 79260 |
| AACTTTTAGC | CAGCCATTTT | GTCCTCGCAT | GACTACGGTT | GCTTATCCTG | TTTAGACAGA | 79320 |
| CAGCAACATT | TAAAAATCGA | AGTTCCTTTA | AACGTATTTT | GTTTGGCAGT | CCAAATGTTT | 79380 |
| CTATGCAGAA | AACAGTATTT | GTACTATTAA | CTATGAAGAG | TGTATGGATA | AATGGGAGAC | 79440 |
| ATTTCTAATA | AAGGCCTTCG | TTAATGGTTC | CCTCTGTTTG | ACATCCATGG | TGCTTCTGAA | 79500 |
| TACAGAAAGC | CTAGCGTCTT | ATATTGCTT | CTTTTAAAT | CTGGTGGGCA | CATTTTGGTG | 79560 |
| AGACCTAAAT | TATGGGGACT | GGGGCTTCTG | GAGATAAGCT | GCTCAATTAT | TCTACCATCT | 79620 |
| CCACAATGAT | TAATATAGTG | AGTTGATTTG | TTAGTGATAG | TGACCACGGA | TTCATCCCAA | 79680 |
| GAAAGAGAAA | GGGGAGGGAG | GCAAGCAGAG | AGACAGGAAG | ACAGAGGCAG | GGAAGAAGGA | 79740 |
| GAAAACATTC | TCCCATGGTT | TAAGTAATTT | TGTGTTGTTA | ATTTTACATT | ACAACACGGT | 79800 |
| TTAACATGGT | GAACCCTCTA | TTTTGGTGTA | AGGTTTAAAC | TATGGACATA | TTTTTCCCAA | 79860 |
| GACCATTTAT | GAACCTTCAT | TTCTGCTTCC | CCCTTCTTCC | TCCCGTGCCA | CCCTCCACGC | 79920 |
| TCCTATCAAT | TTTGGCTGTT | TTGTCATAGG | CTAATACGCT | ATAATTTTAT | GGACAGTTGG | 79980 |
| ACTGTCTTAG | GTTTCTCAGG | TTTCTATTTT | GTTCCCTTAG | TCATTCCCAC | AATTCTTAAG | 80040 |
| GTAGAATTGT | ATTGTTTTAA | ACATTGTGTT | GTGTGCTATC | CTCAATGCTG | AGATGATTAT | 80100 |
| GTGACAAATG | GCAAGTGTTT | AACTAATACC | TAAATCTGTA | GTATCTTATC | AAGCCTAATG | 80160 |
| CTACTTCACA | ATGCCTACTC | CATTCACCTC | ACTTTATCTC | ATTACTGGCA | TTCTGTCATC | 80220 |
| TCACATCATC | ACAAGTAAAA | CGGTAAGCTA | TTTTGAGAGA | GATCACAGTC | ATATAATTTA | 80280 |
| TATTTATATT | TATTTATTTA | TTTATGAGAC | GGAGTTTCCC | TCTGTCACCC | AGGCTGGAGT | 80340 |
| GCTGTGGCAC | GTTCTCGGCT | CACTGCAACC | TCCGCCTCAC | GGGTTCAAGC | GATTCTCCTG | 80400 |
| CCTCCGCCTC | CCGAGTAGCT | GAGATTACAG | GGGCCTGCCA | CCATGCCCGG | CTAATTTTTG | 80460 |
| TATTTTTAGT | AGAGACGGGG | TTTCACTAAG | TTGGCCAGGC | TGGTCTCGAA | CTCCTGACCT | 80520 |
| CAGGTTATCC | GCCACCTCA | TCCTGCCAAA | GTGCTTAGAT | TACAGGCGTG | AACCACCGTT | 80580 |
| CACAGACTCA | AATCATTTTT | ATTACAGTAT | ATTGTTATAA | TTGTTGTTTT | ATTATCAGTT | 80640 |
| ATTGCTAATC | TCTTACAGTG | CCTGATTTAT | AAATTAAATT | CATCATTGCC | ATGTGTATAT | 80700 |

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| AGAAAAAAC | AGTGTATATA | CGGTTGAGTA | CTATCTGTGG | TTTCAGGCAT | CCACTGGGGG | 80760 |
| TGCAGTTTAT | TAAACATGCA | TTTACATTAG | TCTCCCTTT | GGGAGACTAA | TTAACTGAGA | 80820 |
| TGTTGTAACG | TGACTTTAAT | AGCAGATAGA | GCTAATTTTC | TCTCATTACT | CTTCTTTTTC | 80880 |
| AGAATTTTCC | TGGTTATTCC | ATTTTTTATT | TTTCCATATG | TATATTAAGA | TCTCTTCCAC | 80940 |
| CTCCTCCTGT | TTCTCCATCT | CAACATCAAA | CAATTAAAAA | AAAAAAAAG | GCTGGGCGCG | 81000 |
| GTGGCTCAGC | CCTATAATCC | CAGCTCTTTG | GGAGGCCTAG | GCGGGTGGAT | CACGAGGTCA | 81060 |
| GGAGTTCAAG | ACCAGCCTCG | CCAAGATGGT | GAAATCCCGT | CTCTACTAAA | AGTATAAAAA | 81120 |
| TTAGCCAACC | ATGGTGGCAG | GCGCCTGTAA | TCCCGGCTAC | TCGGGAGGCT | GAGGCAGAGA | 81180 |
| ATTGCTTGAA | CCTGGGAGGC | GGAGGTTGCA | GTGAGGCGAG | ACCTTGCACT | CCAGCCTGGG | 81240 |
| TGACACAGCG | AGACTCCGTC | ATAAAAAAAA | AAAGCCGGAA | GCAGTGGCTC | ACGCCTGTAA | 81300 |
| TTCCAGCACT | TTGGGAGGCT | GAGTCAGGCA | GATTACCTGA | GGTCAGGAGT | TCAGGACCAG | 81360 |
| CCTGGCCATG | AAAATACAGC | CTGGCCATGA | AAACACACAA | TAAATTAGCT | GGGCGTGGTG | 81420 |
| TCACACACCT | GTAATCCTAG | CTACTCGGGA | GGCTGAGACA | GGAGAATCAC | TTGAACCCAG | 81480 |
| GAGGCAGAGG | TTGCAGTGAG | TTAAGATGAC | GCCACTGCAC | TCCATCTGGG | CGACAGAGCC | 81540 |
| AGACTCTCTC | TCAAAAAACT | AAATAAATAA | AAATAAAGTT | ATGGTACATT | GAACTTCTGT | 81600 |
| GTTCTTTTCT | CCCTTAGATA | CTTTCATGGC | TACCCATTTA | ATTGATGTTT | TTATCATCTC | 81660 |
| CAAGAGTTAG | TCAGGAGAGG | AATCAACCCA | AGCAAAAATA | GCTGATTTTC | TAATTTTCCT | 81720 |
| TCAATGCCCT | TTGGGGTCTT | AATCCATTTG | ATTTATGTAC | TTTCAATTAA | TCCTAACCTC | 81780 |
| GAATGTCTTC | TGCAACATG | TTTCCACAGA | TGAAACTCGT | CAAATGAAAC | ACATTCTTTT | 81840 |
| AATTTATAGA | GTTAAAAATT | AGAAAAATTT | TCAATTCTAT | TTGGCCTTTA | GATTGAGTCT | 81900 |
| TGCATATGTT | TTCTCAATTT | TGTTGATGCT | CTTTAGTTTT | GTTTTATTCC | ATCACAATTG | 81960 |
| TTACATAGC | TTACTGGCTT | AGGTCTAATG | AACCATTGAT | TTGGAAATTA | AAATTGGCCA | 82020 |
| TTTTAAGATG | AAAAAGATTC | TTGCCTCAAT | TTTACTTAGT | TTTTGAAACT | GTCAATGAGG | 82080 |
| ACACATGTTT | TTCTGTACTC | TTAGATTGAC | TAAGTAGTGT | CTTGCAAATT | TAAGTGACAA | 82140 |
| AGGACAGATT | AACATGCGAA | AAAAAGAGCA | TGCAATTTTA | TTAGTATATT | ACATGCACAG | 82200 |
| AGTTCCCAAA | GAAAAAAA | TTGAAACCTT | AAAAACGCGG | TTAGACTCAC | AGACTTATAC | 82260 |
| ACCATTCCAA | CAAAGGAAAG | GGAGTTTGCA | CTTCATGGGA | TGACGAATTT | GGGAATGTGA | 82320 |

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| CAAGGAAATA | AATACATGGG | CAATAAAAAC | CATGGAAGAT | AAAATGAAAG | ATAGAAATAA | 82380 |
| TTGTAGTAAG | GTTTGTTTTT | GCAGAGTCAT | CTCAGTGCCA | ACCTTCCATA | TCTAGTGATA | 82440 |
| AGAATTGCTC | TCTTTTTCCT | GGTATAGCAG | TTGGGGACAC | TTTTACAAGG | GAAATTTCTG | 82500 |
| TCACCTTCAC | AAAGGGAAAT | TTGGGTAAAG | AGAAGACAGA | GACCTCTTCC | TACACCTGTT | 82560 |
| GATTTTCAAT | TGCCTTCAGC | TGAAAATAAC | TTTTATGCCA | AAGTAGAATA | ATTTGGGGGT | 82620 |
| GACATCCTGA | TATTCTTCAA | AACTTATATT | TAATTTTACA | TTAGTAATTA | TATCATTTTT | 82680 |
| GATTTTTTAA | TTAGTTTTAT | AAAATAATTT | TGAAAACGG | TAATAATATT | CAAATAATTC | 82740 |
| CAGAAACACT | GCTGATAAGC | CAAAAACATC | AATGAATATT | GCATAAACAA | CTGATAATTC | 82800 |
| AACCATGAAA | ATTTATGACA | TTGTTCTTGT | GTGATAAAAC | TATGAGTAAC | ATAAAAACTA | 82860 |
| GAGGCTACTT | GTAATGCATT | ATTCCAAACT | TTCTGTTTTT | TATTTATTTA | TTTATTTATT | 82920 |
| TTGAGACATA | GTCTCTCTCT | GTCACCCAGG | TTGGAGTGCA | ATGGCGTGAT | CTTGGTTCAC | 82980 |
| TGCAGCCTCC | ACTTCCCCGG | TTCAAGCAAT | TCTCCTGCCT | CAGCCTCCTG | AGTAACTGGG | 83040 |
| ATTACAGGCA | CCTGACACCA | AACCCGGCTA | ATTTTTTTGT | ATTTTTTAGTA | GAGACGGGGT | 83100 |
| TTGCCCATGT | TTGCCAGGCT | AGTCTCGAAC | TCCTGACCTC | AGTGATCCAC | CTACCTCGGC | 83160 |
| CTCCCAAAGT | GCTAGGATTA | CAGGCGTGAG | CCACCATGCC | CGGCGCATT | TTCCAAACTT | 83220 |
| TCATACACAG | TGCTATCATG | GCTACAAATT | GAAGTATCAT | ATTATACACT | CCTAGGCAAA | 83280 |
| GCTCTGGATA | TTTTGGCTAT | ATAAGCCTGA | GGGAAATGTA | GTAAGGACAT | TGTGGTTGAA | 83340 |
| ATTCATACCA | GAGATGAACA | GGCCCAGTGC | AAGACAGAAT | TACATCACTA | AAGGATATCA | 83400 |
| GAAGAGAATA | GGGATTTAGG | GTACAGTGGC | AACAACAGTT | TTGGGAAC | GCATTTTTTG | 83460 |
| AGCACTTATT | TACAATATGC | CAAGCACTGT | TGCTGATTAC | TCTATATTTA | TTTTCAAACA | 83520 |
| CATTCTTGTC | ACAGCACTTT | GAAGTAAGTG | CCATTGTCAT | TCCCACTTCA | GGGTGAAGGA | 83580 |
| CTAAAGCTTG | GTGTCATTAA | GGATGTAGCT | AGTTAGCTGT | GTGTGTGTGT | GTGTGTGTGT | 83640 |
| GTGCATTTTT | TTTTAAATTT | AAAGTCAATA | AATTTTTTATT | TGAAGAATTT | CACATCAAGG | 83700 |
| TAAACTTTGT | TCCTCTAAAG | AGCTGGAGTC | AAAATGTATC | TTCAAAAGAT | TCATCTTCAA | 83760 |
| GTTAGCCCTT | CTTAATAGAA | CTGATGCTTA | ATCCACAGTT | GTCAGCCCAC | AGTTCTTTTA | 83820 |
| TTTTGACTTT | TTTTTTTTTT | TTTTTTTGAG | ACGGAGTCTC | TCACTGTCAC | CCAGGCTGCT | 83880 |
| GGGCAGTGGC | GTGATCTCGG | CTCGCTGCAA | CCTCTGCCTC | CCGGGTTCAA | GTGATTCTCC | 83940 |

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| TGCCTCAGCC | TCCTTAGTAG | CTGGGACCAC | AGGCGCATGC | CATCGTGCTC | GGCTAATTTT | 84000 |
| TGTATTTT | TTAGAGACAG | GGTTTCACTA | TGTTGGCCAG | GCTGATCTCA | AACTCCTGAC | 84060 |
| CTCATGATCC | GCCTGCCTTG | GCCTCTCAAA | GTGCTGGGAT | TACAGGTGTG | AGCCACTGCA | 84120 |
| CCCGGCCTTA | TTTTGCCTTC | TTTAATCTCC | ATTTGAACAT | ACACATACTG | ATGAAAACTA | 84180 |
| CAACATTCTT | CACCAAAAAT | CTTTGGGATT | TAATTTCTTC | AACCACTTTA | CTTTGGGGTC | 84240 |
| ATTTTAAGAT | TAGGTGTATC | TGCCTGGTTC | TCAATTTGAC | ACCCTTTCTC | TCTAAACATG | 84300 |
| AATGAGTTCC | AATCATATTT | ATTCCTAAGC | TATCACACTC | AAATATACTA | CAGATCTGTG | 84360 |
| GAATATGCCA | AAAGTTAAGG | TGAAAAATTA | AATTATTAGG | TATTTCATAG | TTTTGCTAGT | 84420 |
| TTTTGATCTG | TGAGTGAATA | TAACTATCCT | CTATGTCCTG | GCACTGTTCC | TCAGAAACAT | 84480 |
| AGGGTCCACA | TATGTAATTT | TAAATTTTTT | AATAGGCACA | TTTTAAAAAG | TGAAAAAAGA | 84540 |
| AATCTATTTT | AATGATTTGA | ATCCAGTGTA | ACCAAAAATT | GTTTCAACAA | GGTATCTAAT | 84600 |
| ATTAAAATAT | TGAGTTTTTA | CTTTGTTATT | TTACTAGTTC | TTTGAAATCT | GGTGTGTATT | 84660 |
| TTACACTTAA | AGCACATCAC | AGTTTGGAGT | AGCCACATTT | CCAATGCTTA | ATACTCACAT | 84720 |
| ATGGTTAGTG | GCAACTATCT | TGGACAGGAC | AGCTTTTATA | CTCTGGGAAG | ACACAAGCAA | 84780 |
| ATACTTGCTC | TGCAGCAGAA | TCCAGATGTT | TTCCAAGAAA | ACACTTTTTTC | TGACCTGTTC | 84840 |
| CTGAAACCCA | GGTAGTGTCT | CTAATACTTT | ATATTTTATT | GGTTTGTCTT | ATTGTAACCA | 84900 |
| CCCAACGGGC | TCTCCTTGTC | CACTTCCTAG | ACAGAGCTGA | TTTATCAAGA | CAGGGGAATT | 84960 |
| GCAATAAGGA | GCCAGCGCTA | CAGGAGACTA | GAGTTTTATT | ATTACTCAAA | TCAGTCTCCT | 85020 |
| TGAGAATTTG | GGGACCAAAG | TTTTTAAGGA | TAATTTGATT | GTAGGGGACC | AGTGAGTCGG | 85080 |
| GAGTGCTGCT | TGGTTGGGTC | AGAGATGAAA | TTATAGGGAG | CCTAAGCTGT | CCTCTTGTC | 85140 |
| TAAATCAGTT | CCTGGGAGTG | GTGGGGTGGG | GGACTCAAGA | CCAGATAATC | CAGTTTATCT | 85200 |
| ATATGGGTGG | TGCCAGCTAA | TCCATTGTGT | TCAGGGTCTG | CAAAATAGCT | CAAGCATTGA | 85260 |
| TCTTAGGTTT | TAAAATAGTG | ATTTTATCCC | CAGGAGCAAT | TTGAGGTTTA | GAATCTTGTA | 85320 |
| GCTTCCAGCT | GCATGACTCC | TAAACCATAA | TTTATAATCT | TGTGGCTAAT | TTGTTAGTCC | 85380 |
| TGCAAAAGCA | GTCTGGTCCC | CAGGCAGGAA | AGGGGTTTGT | TTCTGAAAGG | GCTGTTATTG | 85440 |
| TTTTTGTTTA | AAAGCAAAAG | TATAAACTAA | GCTCCTCCCA | AAGTTAGTTA | ATCCCAAAC | 85500 |
| CAGGAATGAA | AAGGACAGCT | TGGAGTTTAG | ACGTTAGATG | GAGTCGGTTA | GGTAAGATCT | 85560 |

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| CTTTCAC TGT | AATAATTTTC | TCAGTTATGA | TTTTTGCAA | GGCAGTTTCA | CTGTCCACTT | 85620 |
| CACCTCACAT | CAGGCCTCTG | ACTAGAGGAT | TCCAACAATA | CTTAGGCCAG | GACACCACCA | 85680 |
| TGTCTCCTTA | TCCACCCTGA | GGGAGTCCAA | TTTCTGAAAC | AAAGGAAACT | ATATATGATA | 85740 |
| GTATGAAACT | ATATATGAGA | AGGAAATTAT | ATATGATAAT | CAATTTTAGG | GTTATCTTAT | 85800 |
| TGATTAGAAG | ATATTAAAGT | GTGACACTGC | CTGGCAATGA | TATCTGCTGG | TAGTAAGAAT | 85860 |
| TTGGCGAATT | TAGTGAAATT | CCTGAGGCTG | AACCTCCACT | TCTGTAAAAT | GGAGACAGTG | 85920 |
| AGATAATTTG | CCTTACAATG | CTGAAGTAAG | AATTTTACAC | AATAATTCAG | ACCAACCACT | 85980 |
| TCATGTGGTA | CTTGGCCCGT | GGAAGACTAT | CAATGACAGT | TAGTTTATAG | TTTATACTAT | 86040 |
| TAATGAATCC | TTTGTTTCAT | TGTTATTTCC | TTCTACACGT | TGGCCTCTCT | AAAAGAAGGT | 86100 |
| AATATTCAAT | ACAAATAAAG | TTAAAACAGC | TTGCAGAGTT | GTCCCAGGGA | ACTCACTTAA | 86160 |
| CCACTGAAGT | GTTCAAATTG | CTTAAGGTTG | ACTTTATATT | CTCCTGACTA | ACCTTTCTCC | 86220 |
| TTCTGGTATT | TCTTCTGAGA | ACAGCACCAC | CATCCAAAGC | ATCATGCAAA | CAGTGGTCAT | 86280 |
| CCCAGACCAG | TAATTCTCAA | CTCACAGGGT | GCTCCTGCAG | AGATGTATTT | GAATAGAGTG | 86340 |
| GTAGGATGCT | GAAGAAGGCC | ACGTAAAATT | TGGCCAGTGA | TCTGGGGCAG | ATTTATCCTG | 86400 |
| AAGCTAATGA | AACACAAGTG | TAAGGGCCTG | TACTTCCAAG | GTGCAGAGAG | GGGCCCTACA | 86460 |
| AATGTGTTAG | TTTGTCTCTC | TCTCTCTCTC | TGATTTTAAA | ATTTGCAGTA | TTAAGGTACT | 86520 |
| TTAATCACGG | ATGGTTCAGG | CTGCTATTTT | CACTCAATCC | TCCTTTTTTAT | TAAAATCACC | 86580 |
| ATTGTCTGAT | TATGTTAGAA | TCCTGATGAA | AATATTTGGA | ATTTGAGTAA | GAGAAAGTTT | 86640 |
| AGTTGAAGAT | GTATCTAGTA | TGGGGATAAT | AAGTTACGTG | ATTTGCATAT | GTGATCATGT | 86700 |
| GTA CTTCATT | CGTTGCCAGC | CAATCTGACG | TAAGAATGGC | TTCAAGGAGG | CCGGGCGCGG | 86760 |
| TGGCTCACGC | CTGTAATCCT | AGCACTTTGG | GAGGCCGAGA | CGGGCGGATC | ACGAGGTCAG | 86820 |
| GAGATCGAGA | CCATCTTGGC | TAACACGGTG | AAACCCCGTT | TCTACTAAAA | ATACAAAAAA | 86880 |
| TTAGCCGGGC | GTGTTGGCGG | GCGCCTGTAG | TCCCAGCTAC | TTGGGAGGCT | GAGGCAGGAG | 86940 |
| AATGGCATGA | ACCTGGGAGG | CGGAGCTTGC | AGTGAGCCGA | GATTGCGCCA | CTGCACTCCA | 87000 |
| ACCTGGGAGA | CACAGCGAGA | CTCCGTCTCA | AAAAAAAAAA | AAAAAGAATG | GCTTCAAGGA | 87060 |
| ATGTTCCCTAC | TGCTCACTGG | AATAACTCAC | CTAAATTCCT | GGCAAGATGC | AGGTCTAGAT | 87120 |
| AAAATGTTAT | GACATCTAAG | TATTCAAAAC | ACATTCCCAG | CACTGAGAGT | GAGTGTCTAG | 87180 |

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| TGGAGAGTAG | AAACGTATAG | AGCCAGAAGC | TAGTCTGGAA | AGAATTCTTA | CAAAGTTTAC | 87240 |
| AACTTACATG | TGAAAGGAGC | TTAACAGAGG | ATTTTCCAAA | TTTGAAAACA | ATCCTAAAAA | 87300 |
| CTTACTTGAC | ATTACCAATA | ATGTGTTTTG | AAACTGAAAT | ACTTCTAAGT | TATGAAGAAA | 87360 |
| ACATATTATC | ATCAGCCACC | CTGGAGGAAA | GATTGAATTC | TATTTCCATT | ACCTATAGAC | 87420 |
| AACATTACAA | AATAATTTTCG | ATCTGAAGAT | GGAATCAGAG | TATTCAGTCA | AAACTACAGG | 87480 |
| AAAATATACT | TGGTAGTGTC | ATATTCAGAA | GTTAATAAAA | TATGCTATTT | TCTGAATTTT | 87540 |
| GTGATGGCTG | TTGTTTTGTC | AGCTTTTATA | AAATTGGAAT | TTGATTTTAT | TTTCCCATT | 87600 |
| TAAATTTATA | TTTACAGTCT | GCAGTACTTT | TGCATTTTTA | ATTTTACATT | ATAGTTTTTA | 87660 |
| ATAGTTAACA | AGTTGTAAAA | GGTTTGATCC | CCAGAAAACC | TTGATCTACC | CCATCAGTTA | 87720 |
| AGTATACTAA | TATATTTAGA | AAATGGATGA | AATCAGCATT | TGAATATTTT | TAAATATTTA | 87780 |
| TTAAAGAGG | ACATGGGTAA | AAGAGCTTTG | CAGTTGCCAC | CCTTCATTCT | CAAATTCCTT | 87840 |
| GGATAAGGAT | GACCGCATAA | TCTTTGGATG | GTCATACGCA | AGTCTTGTGT | ACTTGTTACA | 87900 |
| TAAATCTATT | TAGTGGACTT | TTGGCAGTGT | GTAAGTGGGC | CAGTTTCTTC | CACCTGAGCT | 87960 |
| CTGACTCCAC | CTCCAGCAGC | CCAAAACCAA | TACTGAATTT | TGGGGTCAGC | TATTGTTTTT | 88020 |
| GTGGACTTAG | GTAACCTACAC | ACACATTGTC | TTTATGATAG | CTTTAATAAT | ACTGCCATCA | 88080 |
| GAACATAAAT | TGTCACGTGG | ATTAAAAGGA | GTGACGGTGG | TGTCCCCAGG | AGCCTTTCAA | 88140 |
| TATGTAAGTA | TTTACACATA | TACATGCTAA | AAAGACCCCT | AGGAATTTTT | TAACAAGGGC | 88200 |
| AAAACAGTAA | CTCAGCTTGT | TTTCTCGCAG | TAAAACCGGT | TGAAAAGGCC | TGATAGACTT | 88260 |
| GTCTGCAGTT | ACAAAACCTG | TGTGTAGTTA | TCACCTTTAT | ATCTCCTGGA | AACTAACATA | 88320 |
| GACAACCGAA | TGGGTTACAA | CTGTTTTTAA | GTGAAATTGT | GAGTGGCTCT | GAAAAGAGCC | 88380 |
| TTTTCAATGA | GGAAGAAACG | GGCAGACTTA | TGCCCTTTCC | CCACGGATGC | GACGTGCCAG | 88440 |
| CTGGATATCT | TTGGGCATGA | TGGTGACGCG | TTTAGCGTGA | ATAGCGCACA | GATTGGTGTC | 88500 |
| TTTGAAGAGT | CCCACCAGGT | AGGCCTCACA | AGCCTCCTGC | AGCGCCATCA | CCGCAGAGCT | 88560 |
| CTGGAAACGC | AGGTTCGGTTT | TGAAGTCCTG | GGCGATTTCT | CGCACCAGGC | GCTGGAACGG | 88620 |
| CAGCTTCCGG | ATCAGCAGCT | CGGTGGACTT | CTGGTAGCGA | CGGATTTTCG | GCAAGGCCAC | 88680 |
| GGTGCCCGGG | CGGTAGCGAT | GAGGTTTCTT | CACGCCACCG | GTGGCCGGAG | CGCTCTTACG | 88740 |
| GGCTGCTTTA | GTAAGCAAGCT | GCTTGCGCGG | AGCTTTGCCG | CCGGTAGACT | TGCGAGCTGT | 88800 |

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| TTGCTTCGTA | CGAGCCATTT | GCAATGAGAG | CACACACAAA | AGTGTAGTGA | ACTGAGAGCA | 88860 |
| AGTGGCCTTT | AAATATAGTG | AGAAACATTC | TGATTGGTCC | TGTAATATTT | CAAAAGTCCC | 88920 |
| GCGCGATAAA | ATCATTGGCT | GAAGAGTGAC | CAGACTGATT | GGTTCATTAC | TAGACAATCT | 88980 |
| TATTGGATGA | GTTGCCCCAC | CGCCCATCCT | GTCCTTTTCG | TTTCAGTTAT | CTGCAGCGAC | 89040 |
| AAATTGTCTA | AAATTCTAGT | TCATCCAGTC | CCAAAGAACA | GAGTGTATAA | CAAGGTATCT | 89100 |
| AAGGATTTTT | AAAATGTAAA | TTCCGATTCA | GTAAGTTTGA | GTGGGACTTG | AAATTCTGCA | 89160 |
| TTCTTGACAG | TCTCGCAAGT | TATCAATGCT | GGTGAACACT | CACTAAACCA | CCAGAAACGT | 89220 |
| TCAGACTCAT | GTCGGGAAAT | AACGCTTATA | TTCAGAGAAT | GAGATTCCAT | GCTATTTTGT | 89280 |
| TACTGGCGAA | CAGCAAGTTT | CCTTGCCCTT | TGTTTTCTAA | GTCCAAGTCA | CATTCCCACC | 89340 |
| CTGCCTGTTC | TCAAATGTC | TTATTTTGGT | TGGCCTTAAG | TTTCACTTTG | TATACTCTAA | 89400 |
| AATGTACTTT | CTAAAGGAAG | GTGTTATTTT | CTCGAACTT | AACTTTTTTA | CACCATTAGG | 89460 |
| CTAGGGGGGC | GGTGGCTCAC | GCCTGTAATC | CCAGCATTTT | GGGAGGGCGA | GATGGGACGA | 89520 |
| TCACTAGAGG | CCAGGAGTTC | AAGACAACCC | TGGCTAAAAT | GGTGAAACCC | CGTCTCGCAT | 89580 |
| AAAAATACAA | AAACTAGCTG | GGCGCGGTAG | CAGACGCCTG | TAATCCCAAG | TACACAGGAG | 89640 |
| GCTGAGGCAT | GAGAACCGCG | TGAAGCGGCG | GGGTGGAGGT | TGCAGTAAGC | CGATATCGCG | 89700 |
| CCGCTGCACT | CCAGCCTGGG | TGACAGAACT | AGACTGTCTC | AAAACAAACC | AATCCAAACG | 89760 |
| AAAAGCAAAA | AATACCCTAA | CAGAAGCAAG | TTATCATCCT | TTCTTGTA | ACTATGGACG | 89820 |
| GCTCTGAAAA | ATGCCGTTTC | AAGTGTAAGC | TACGTTTTCT | GATTTGAGTG | TTTACTTGAC | 89880 |
| CTTGGCCTTA | TCGTGGCTCT | GTTATTTTGG | CAACAGGACG | GCCTGAATAT | TGGACAGGAC | 89940 |
| GCCTCCCTGA | GCAATAGTGA | CGTTGCCCAG | CTGCTTGTTG | ACCTCCTCGT | CGTTTCGGAT | 90000 |
| GGCCAGCTGC | AGGTGGCGGG | GGATGATGCT | GCGGGTCTTG | TCACGTATGG | CGCTGCCCAC | 90060 |
| CAGTTCTAAG | ATCTCGGCGG | CCAGGTATTG | TAAGTACACT | GGCGACCGG | CTCCGACCGG | 90120 |
| CTCAAAATAA | TTGCCCTTTC | GAAAAAGATG | ACGGACTCTG | CCCTATTGGG | AACTGCAAGC | 90180 |
| CCGGTAGCGA | CGAACAAGTT | TTTGCTTTAG | CTCCATTTTC | CACGTCCGCA | AATAGCGACC | 90240 |
| TATGAAAGCA | GCGGAAAAC | GTGAAAGACA | AGCAAGCTGG | AATGGCGCCT | GAACAAATCC | 90300 |
| TTTTATACAA | ACTGCAAGGC | TGCAATAGGA | AGCTATCCTA | TTGGTCAATT | ATGTTTGGTG | 90360 |
| CTTTATCCAA | TAGAAAAAGA | TAACATAAAT | TCCATATTTG | CATAAACCCC | ACCCCTCAGT | 90420 |

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| GAAACCGTGT | TTCTTTTGTC | CAATCAGAAG | TGAGGAATCT | TAAACCGTCA | TTTGAATCTC | 90480 |
| AGGACTATAA | ATACATGGGC | TCTGAACTGT | TCTCTGTACT | ACTCTGTAGT | GGAGAGTGTT | 90540 |
| AGTAGCTTTT | CTATTCTGTT | TAGGAATAGC | AATGCCTGAA | CCCTCTAAGT | CTGCTCCAGC | 90600 |
| CCCTAAAAAG | GGTTCTAAGA | AGGCTATCAC | TAAGGCGCAG | AAGAAGGATG | GTAAGAAGCG | 90660 |
| TAAGCGCAGC | CGCAAGGAGA | GCTATTCTAT | CTATGTGTAC | AAGGTTCTGA | AGCAGGTCCA | 90720 |
| CCCCGACACC | GGCATCTCAT | CCAAGGCCAT | GGGGATCATG | AATTCCTTCG | TCAACGACAT | 90780 |
| CTTCGAGCGC | ATCGCGGGCG | AGGCTTCTCG | CCTGGCTCAC | TACAATAAGC | GCTCGACCAT | 90840 |
| CACCTCCAGG | GAGATTCAGA | CGGCTGTGCG | CCTGCTGCTG | CCTGGGGAGC | TGGCTAAGCA | 90900 |
| TGCTGTGTCC | GAGGGCACTA | AGGCAGTTAC | CAAGTACACT | AGCTCTAAAT | AAGTGCTTAT | 90960 |
| GTAAGCACTT | CCAAACCCAA | AGGCTCTTTT | CAGAGCCACC | TACTTTGTCA | CAAGGAGAGC | 91020 |
| TATAACCACA | ATTTCTTAAG | GTGGTGCTGC | TGCTATTCTG | TTTCAGTTCT | AGAGGATCAA | 91080 |
| CTGGAATGTT | AGCGAAGACA | AGTTTTAGAG | CCAAGGTTAA | CTTGGACGGG | GCCGTGCGCG | 91140 |
| GTGCCTCTTG | CCTTTAATCC | CGGCAATTTG | GGAGGCCGAG | GCGGGCGGAT | CACGAGGTCA | 91200 |
| GGAGATGGAG | ACCATCCTGC | TTAACACGAT | GAAACCCCGT | CTCTACTAAA | AATACAAAAT | 91260 |
| AATTAGCTGG | GCGTGATGGT | GGGCGCCTGT | AGTCCCAGCT | ACTCGGGAGG | CTGAGGCAGG | 91320 |
| AGAATGGCGT | GAACGCGGGA | GGCGGAGCTT | GCAGTGAGCC | GAGATCGCGC | CATGGCACTC | 91380 |
| CAGCCTGGGT | GACAGAGCGA | GACTCCGTCT | CAAAAAAAAA | AAAAAAAAAA | AATTAAAAAA | 91440 |
| ATATGAAGTT | TTGAAGCAGA | AATTATTTTG | TCGTATGTTT | TTTCATAAAT | TTTTTGCCTG | 91500 |
| CCTGCCTTCT | TCCTTTGTTA | CAGAACTCCA | ACACTTACCC | AAAGGTAGCT | GTTGGGTCAG | 91560 |
| GGTTTCTGTA | CTATAGTCCC | TTCTGTGGTG | GCCAGAAATA | TGTTACAGGA | AAGAGGTCCC | 91620 |
| CATCCAGACC | CCAAGAGAGG | GTTCTTGAT | CCCGCGCAAG | AAAGAGTTCA | GGGTGAGTCC | 91680 |
| GCAGTGCAAA | GTAAATGCAA | GTTTACTAAG | AAAGTAAAGT | GGTGAAACGA | CAACTACTCC | 91740 |
| ATAGACGGAG | CAGGACATTC | CCGAAAGTAA | GAGGAGGAAG | GCATCCACCC | TAGGTACAAT | 91800 |
| ACTTGATAT | ATGGGGAGAT | GTGCTCTGCT | ACAAGTTTGT | GATAAAGGAT | TAATTTTCTT | 91860 |
| AGTTACTATA | TTTTGCAAGA | ATCAACATTA | TTATCTTTAA | ACAAAATTAA | GAATGCCTTT | 91920 |
| GTTCTCCAGA | TATAGGGATA | TCTGGACACT | CCTAAGTCTG | AGTCTGTTTA | GTAAACATTA | 91980 |
| TTTATTTGTT | CCCTTAACCG | TAAACATCTA | GAAGCTAGGA | ATGACTGACT | TTCTGGGAAT | 92040 |

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| GCAGCCCAGA | AAGTCTCAGC | CTCATTTTCC | TAGCCCTCAC | TCAAAATGGA | GTTACTCTGG | 92100 |
| TTCAAGTAAC | TCTGACACTT | TTCTTCTCTT | TTTTTCTTCT | TTTTTCCTTC | CTTTATTTTT | 92160 |
| TATTTTTTAT | TTTTGAAATA | AGAAATCAAG | AATACTTGAT | GTTTCATCTA | AAACAATACC | 92220 |
| CATAATTGAT | AAGCCAAAAC | AAAAACCTAG | GTCTTCTAAC | TCAAAACTAG | GATGTTTTGC | 92280 |
| TGTCTCTGCT | GATACTCGGC | TGATCGTTAA | TAGGTAATTA | ACAAACAAGC | CTTGCTATGT | 92340 |
| CCCCCTCAGT | TTATTACCAT | TAGATCATAT | GCCTACTGTC | AATCATATTA | ATCCACAACT | 92400 |
| ATGCATTTCA | CAAAACTTGC | CATAAAAATT | CACAGGTTTC | CCGCTTCCCT | CGAGTTTTCA | 92460 |
| TTTCCGAAGG | GTCCCATGTA | ATATAAAACT | TATATTAAAT | ACATTTGTAT | GCTTTTCTCT | 92520 |
| TGCTAATCTT | TTTTTTTGTT | TTTTGAGACT | GAGCCTTGCT | CTGTCACCCA | GGCTGGAGTG | 92580 |
| CAATGGCGCG | ATCTCGGCTC | ACTGCAACCT | CCGCTTCCCA | GGTTCAAGCG | ATTCTACTGC | 92640 |
| CTCGCCCTCC | CGAGTAGCTG | GGACCACAGA | TACGTGCCAC | CATGCCCCGC | TAATTTTTGT | 92700 |
| ATTTTTAGTA | GAGACAGGGT | TTCACCGTGT | TGGCCAGGAT | GTTCTCAATC | TCCTTACCTC | 92760 |
| GTGATCCGCC | CGCCTCGTCC | TGCCAAAGTG | CTCGGATTAC | AGACGTGAGC | CACTGCACCC | 92820 |
| GACCAATCTG | TCTTTTTGTA | GAGGGGCCTC | AAGCATGAAC | TTACTGATGG | GTGAGAAAAA | 92880 |
| CAGAATTTTC | TTTTCCCCTA | CAATATAAAC | ATTAATTGTA | ATGTTATCAT | TCAGGACATT | 92940 |
| TTGGTGACCA | ATCTTACAGA | AATTTTATCT | TGTGCAAGTC | TATGCAAACC | AATATGTAAA | 93000 |
| TCTTCTATAA | GTGAGATTGT | ATTTCACTTT | TCTAGTATCC | TTTTAAATTA | ATAAAAGAGA | 93060 |
| TTCTAATGAT | TATTTTCATT | ACTGCATTTT | ATTGTAGGGA | AGTAGATAAT | TGCCCTTTAT | 93120 |
| TCACTGACCT | TCGCTTTTTA | AAAATTTAAA | CCATGTTACC | ATGAAAATGC | TTTTCAGTAT | 93180 |
| TTCTCTACAC | ACAAGATTGC | TGTAAGGGCA | AAAATAGAGA | TAGGAATCAT | GCATCCATTG | 93240 |
| ATATACATAT | TTTGATTTTT | AATACATGTT | ACCAAGTTGC | CTCCTGAAGG | TCTGTTTACA | 93300 |
| CTCTCACCAA | CAGGGTGTTT | TTTCCTGACT | TCCACAAATG | CTCTTGAACA | GTGGGTGTGT | 93360 |
| TAGTCTGTTT | AAATTGCCGA | CATGAACAAT | TAAATCTCAT | TGTTGTTTTT | ATTTTAAAGA | 93420 |
| CAATTATTGT | TTGAGACTGC | ACATTTTGAT | AATAACATTT | CTTCTATTAT | GGTTTGATTA | 93480 |
| CTCATGATTC | TTGCCCATTT | TCTTTTGGGG | TGTTGCCTTA | TGTACATTAT | TTTAAATAGA | 93540 |
| TAGCTCCATG | TATTAAAAGA | TTATTAAGTT | TGAGGGCTTA | TGATATGTCA | GTTACATTTT | 93600 |
| TAAGATTTTT | TTTTTTTTTT | TTTTTGAGAC | GGAGTTTCAC | ACTTGTTGCC | CAGGCTGGAG | 93660 |

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|------------|------------|------------|------------|------------|-------------|-------|
| TGCAATGGTG | CGATCTCGGC | TCACCGCAAC | CTCCGCCTCC | AGGGTTCAAG | CAATTCTCCT | 93720 |
| GCCTCAGCCT | CCCCAGTAAT | TGGGACTACT | GGCAAGCGCC | ACCACGCCTG | GCTAATTTTG | 93780 |
| TATTTTTATT | AGAGATGAGG | TTTCTCCATG | TTGGTCAGAC | TGGTCTCGAA | CTGCCGACCT | 93840 |
| CAGGTGATCC | ACCCGCCTCG | GCCTCCCAAA | GTGCTGGGAT | TACAGGTATG | AGCCACTGGG | 93900 |
| CCCGGCCACA | TTTCTAAATT | CTTTATAAGT | ATAAATTCAT | TCAATCTTCA | CCAAAACCTCA | 93960 |
| ATGAAGTGTG | AGTACTATTA | TTATCATTGT | TTTACAGATC | AAAACAAGTA | ATACAGTCAC | 94020 |
| TTACTGAGTT | CTATACACCT | GGTAATTTTT | TTGTTTCGTT | GTTCTATCAA | TTATTGGGGA | 94080 |
| AGGGGTGTTG | AAATCTCTAC | CTTTAAATCA | TGTATGTGTC | TATTTCTCCT | TTCGGTTCTA | 94140 |
| TCAGGTTTTG | CTACACATAT | TTTGCAGTTC | TGTTATTTGG | TGCATATACA | TTTAGAATTG | 94200 |
| CTTGTTTTTC | GTATTGGATT | GACCCTGTTA | TCATTATGTA | ATATCCCTGT | CTGTTCTTAG | 94260 |
| TAATTTTCTT | TGCTCTGAAA | TATACTTATC | TGATATATCA | TCCAAAAGAC | CACCAGGATG | 94320 |
| GCTAAAGAGT | AGAAAGGAGA | GATTTACTGG | CAATACTAAT | TTGCAAGCCA | GGAAGAGATG | 94380 |
| GTCCCAGAAC | CTGCCAAAAT | TACTCTCTCT | TTGGGGAGAA | GGAGCAGGTT | GGTTATTTTT | 94440 |
| ATGCCTCATA | GGCTATATAT | TACACAATAG | AGTCATACAT | ATTTAGCACG | TTTGGGGGGA | 94500 |
| CAGCTATATA | TATTATGAGG | GGTGCCAAGT | GCATTCACAA | TGGATAAACA | CGTGTAATAT | 94560 |
| ACCTCCCATG | TTCACTTCGA | GGTTAAATTT | TGGTTAAAT | GAGGTAGAAT | TTAGGTCTTT | 94620 |
| ACATCACAAG | GTGAACTATA | GGAACAAAGT | TTACGTGCTG | CCTCTAGCAG | CTGGCTGAAA | 94680 |
| ATGGCTTAAG | GTCTACAATT | ACGTGTAAGA | ATAGAATGTG | TGTCAAGGCG | GTCCTCTGTC | 94740 |
| CAATCAGAGT | TGTAGTGGAC | TGGACTGTAA | ATCAGAGTTA | GGAGGGCTTC | TGATAGCTCC | 94800 |
| TATAGTTAAG | GAATTTAGCA | AGTGTGAGTT | TTTTGGTAGT | CTTTGGAATT | TAGGAATTTG | 94860 |
| CCATGCCAGC | CAAGCCATGA | ATGCTCTACC | AGTAGGTAAC | TTTGTTTGCT | TAATCTTAGA | 94920 |
| GTCTGTCTTA | GTTGGTATAG | GGGCATCTAT | TTTGGTCTTT | CAGATCCCAG | ATATTATTAA | 94980 |
| TACAGATACT | CTTGCAGTTT | TGGGCTGATG | TTTATATGGC | TTATCTTTTT | TGCAGCCTTT | 95040 |
| AATTTCAACC | TGCGTTATGT | TTATATTTGA | AGTGAGATTC | TTGCAGACAG | TGTACAGTTG | 95100 |
| TTGTTTTTTT | TTTTTTGAGA | TGGAATTTCA | CTCTTGTTGT | CCAGGCTGGG | GTGCAGTGGC | 95160 |
| ACAGTCTCAG | CTCACTGCAA | CCTCCGCCTC | CTGGGTTCAA | GGGATTCTCC | TGCCTCAGCC | 95220 |
| TCTTGAGCAG | CTGGGATTGC | AGCCATGCGC | CACCACACCC | GGCTAATTTT | TGTATTTTTA | 95280 |

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| GTAGAGACAG | GATTCACCAT | GTTGCCCAGG | CTGGTCTCGA | ACTCCTGACC | TCAAGTGATC | 95340 |
| CGCCAGCCTC | GGCCTACCAA | AGTGCTGGGA | TTACAGGTGT | GAGACCTCGC | GCCCAGCCAA | 95400 |
| ACTGTTTTTT | TATGGGTGTA | TTTATACCAC | ACACATTTAA | TGCAATTATT | GATATCTTAG | 95460 |
| GGCTTAAGTT | CATGAAGGGT | AGTGTTGGGA | CCATAGTCTC | TTGGCCCACT | AAATGTTTGC | 95520 |
| CAGAAATCAC | TGACAAGGCA | GATTGATTAA | TAGGTGAAAA | GGCATTTTAC | CTATTGTTTA | 95580 |
| ACGTGTCTAT | GTGGGAGCAT | TCAGAATTAA | TTACCTAACT | TCCAATGAG | TTATAGATGC | 95640 |
| TTATATACCA | TTTTTAGATC | ACAGAAAGAA | TTGGGGCTTA | GATTCTGGTA | AAACAGGTTA | 95700 |
| TGGGAGGCAA | AAGAGGTTTG | GCTTGCAAAG | GTGGCCTTGT | TAGGTAGGTG | AAGCCTCCCT | 95760 |
| CAGAAAGAAC | AGATGGTAAA | TGTTTCTTTT | ATGATTTTTA | AGTGTCAGAC | TCTCAGTCTC | 95820 |
| TCCTGGATCT | GGGGAAAGGT | ATAGAAAGGT | GAGGAGGCAT | GGCTGCATTA | ATGGAGATTC | 95880 |
| TCTACAGATG | TAAAATTTTT | CCCATTTAAG | GCAGCTTTGC | AAGCCCATTT | CTGCCTGCTG | 95940 |
| GCCAAGCAGC | AGCCATTTCA | AAATATGTCA | AAGAAATATA | TTTTGGGGTA | AAATATTTTTG | 96000 |
| ATTTCTTTTA | GA CTGGTGGC | CTTATAAGAA | AAGGAAGAGA | CACCTGAGCT | GACACACATA | 96060 |
| CCCTTGCTCT | CTCAACATGT | TATGATGCAG | TAAGAAGGCC | CTCACCAGAT | ACTAATTCCA | 96120 |
| TGCCCTTAGC | TTCCCAGGTT | CTAGAACAGT | AGGAAATAAA | TTTCTTTTCT | TTAAAAGTTA | 96180 |
| GCCAGTCTGT | GGTATTCTGT | TATAGTATCA | CAAAATGGAC | TAAGTAACTA | TATTATGATC | 96240 |
| ATCTTACATG | ACTGATCCCT | CCTACATCAT | ACACATACAC | AGGCCACATT | TGGAACATTG | 96300 |
| TTAGAGGTTC | CTCTGCCCAG | TACAAATGTA | CTACAAATTA | TATATGTATT | TTTAAATTTT | 96360 |
| TGAGTATCTT | CAATAGTATA | TTTTCGTTAA | CTTTTGTAGT | CAAAATGTCA | TTATAACATG | 96420 |
| TATTCAATAT | GCATAATTAT | TAGTCAGATG | TTTTACATTC | TTTCTTCATA | CTAAGTGATA | 96480 |
| TGGTTTGGAT | ATTTGTCCCC | TCTAAATCTC | ATGTTGAAAT | GTAATCTCCA | ATGTTGGAAG | 96540 |
| TGAAGCCTGG | TGAAAGGTTT | TTGGATCGTG | AGGGTGAACC | CCTCATGAAG | CGCACTCTTC | 96600 |
| AGGGTAATCA | ATGGGTTCTC | ACTTTGAGTT | CACAAGAGAT | CTGGTTCTTT | AAAAGAGTGT | 96660 |
| GACACCTCCC | CCATCTCTCT | CGCTCAGCTC | TCACCATATG | ATATGCCTAC | TCCCTCTTCA | 96720 |
| CCTTCCACCA | TGATTGGAAG | TTTCTGAGG | ACTTGCCAGT | AGCAGATGCC | TGCACCACAC | 96780 |
| CTCCTGTACA | GCCTGCACAA | CCGTGAGCCA | AAAAAATTA | CTTTTCTTTA | TAAATTAGTC | 96840 |
| AGTTTCAGGG | ATTCCCTTAT | AGTAATGCAA | GAACGAAC TA | ACACACTAAG | TCTATTTTCAT | 96900 |

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| ATTTACAGAA | TAGCTCAATC | TGAAGTACCC | TTTTTCAACT | TCACAGTAGC | TACTTGTAGC | 96960 |
| TAGTGGGCAC | TGATTTGGAG | CGTGTTCAAG | GGTGAATTGT | ATTATGCAAT | TAACAGATTT | 97020 |
| TTTTTATTGT | TTTCGCAAAC | CACGAGGCAT | AGATTGTCTT | ACTTTCTCTG | CTCCTGGTGT | 97080 |
| TGGAGTTGTT | ATTGGGAAAC | AACTTATTTT | CCTCTTATAT | TTATATGGAA | TAAATAACCC | 97140 |
| CCAATATTTT | CCTCCCCAAT | ATCTGCCTTT | TGTATGTTTT | TTGAAGGCAA | GTGCCTAGAA | 97200 |
| TTTACTGTTT | TTGAAGCACT | TACTGAAAGG | ATTGCCATCA | AGTTGTTTTG | CTAATAGTAC | 97260 |
| ATGCCAGGCG | CTTGTTGGTT | TGCTTAATTC | AAGGTAAGTT | GGATGAGAAG | AAGAGTTTTT | 97320 |
| CTCATCCATG | GCTCAGTGGA | GTATAGATTA | CTGATATTGT | GACTGGATGT | ACTCCTGCTT | 97380 |
| TCTAGTCTGA | GTTTTTGAAG | CTACCCTTAA | TCTTGGTTTC | AATTTTATCT | AGCCCTGTAC | 97440 |
| ATATCCAAGG | CTCTTTCCAA | AATGGTCTAC | GATTTGTTTA | GGAAGTTAGA | ATAGCTGTAC | 97500 |
| TTTCTGAACC | ACGGTTCCTG | ACATTTTCTG | GACTTCAAAC | ACATCCAGCA | TTTTATCGAA | 97560 |
| GTATTTATCC | TTCCTACTTG | GCTGGCTTCT | TCCTTGCCTT | CAGGTCTGAA | TTCAAATGAC | 97620 |
| ATTCTCCTGA | TGAAACTTTC | CATCCTTATT | TCTATTCTTT | TTTCTTATCC | CCTTTCTTTA | 97680 |
| TTTTTCTCCA | CAGCACTCAT | CACTTATCTC | TACATTTTCA | TTATGTATTT | ACCTTATTGT | 97740 |
| GCACCTCCCA | CTACAAGACA | AGTAGCACCG | TAAGGAAACA | GGTTGTCTGC | TTTTTCACTG | 97800 |
| CTATGCTCCC | TGCACCTAGA | ACACTCTCTG | GCACTTAGCA | GGTTTTCAGT | AAATATATGC | 97860 |
| TGAACTAATA | ATGCTGGATA | TACATCTCCC | TCATGAACTC | TCTAAATCCT | TCTAATTTAC | 97920 |
| ATTGATCAAT | CTTCTTTTCC | ATGTGCTTTT | GTATGATTTA | TTGCTCAAAA | TCTTTATTTT | 97980 |
| ATATGCAGAA | CGTGCACTGC | TATTTAATCT | TCATGTACGT | AAGTCCTCCC | TTCTCTGAGT | 98040 |
| ATAATCTCTT | CAGGGCACTA | TCTGAGATAA | CTTTTTAACA | TCTCCATCAT | GAATCTTGTA | 98100 |
| CCTTTTCAAA | GAAAATGAGC | CAGTGATTAC | TGATGTTTAC | GGCTATTGTT | GAGGGTGAAG | 98160 |
| ATCATTATAA | TTTTGAAAAG | GGAAGTTGAA | TATTGTGAAG | GGAAAGATAA | CACTAGAGTC | 98220 |
| AGAAGACTTG | GGAGAAGGCA | AAAAACAAAC | TAAAAATGAG | CACTTTTAGT | CTCCTGACAG | 98280 |
| TTTCTCTGAA | TCAAATCCAT | AGTTCTGTGA | CAGCGTTGGC | TTAGAAGCAG | ATTTTTTTTT | 98340 |
| TTTTTTTTTT | TGAAATGGAG | TTTCGCTCTT | GCCCAGGCTG | GAGTGCAGTG | GCACGATCTC | 98400 |
| GGCTCACTGC | AACCTCTGTC | TCCAGGGTTC | AAGCGATTCT | CCTGCTTCAG | CCTATGGAGT | 98460 |
| AGCTGGGATT | ACAGGCTCCC | ACAACCACGC | CCAGCTAATT | TTTTGTATTT | TTAGTGAAGA | 98520 |

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| CTGGGGTTTC | ACCATGTTGG | CCAGGCTGGT | TACGAACTCC | TGTTCTCAAG | TGATCTGCCC | 98580 |
| GCCTTGGCCT | CCCAAAGTGT | TGGGATTACA | GGCATCAGCC | ACCGTGCCCA | GCCAGGAGCA | 98640 |
| GATTTTTTTA | CACTCATGTT | TCTTTTTCT | TCTGTCATCC | TGTTTCAGTA | TAAGCAGACC | 98700 |
| ACAGATAGAA | GTAGTAGATA | CCTCAGAAAT | TCCTGGAATA | ATTAATCCAC | GTTTCATCTGT | 98760 |
| ACTCCATCTG | CTCCTATCTC | ATGGAATATA | AAAGGAAAAA | CACCAAGATT | TCCCTAGGCA | 98820 |
| ATCTGTCTTG | ATTTTAGGTT | CCTCAACAGG | AGAGCCAGAC | AATGGCTGTA | ATAATATTGT | 98880 |
| CCCGGCCAAG | GAAAACTTC | CCCTTTGCCC | TCCAAGGTT | TATGGAAAAT | TACTGGCAAA | 98940 |
| ACACAGATTA | ACTGGAGAAA | AGGCATATAT | ATTTATTTCA | TCACAATTTT | ACAGGAGATT | 99000 |
| TTAGAATTAA | GACTGAAAGA | TACAGGGGAA | ATTGCCCAT | TTTATGCTTA | GGTTCAACAA | 99060 |
| GATAAACAGC | TGTATAGGGT | ACGATCTAAT | GCTAACAGAC | TGAGTGGGGA | AGCCCCGCAA | 99120 |
| GGCTTGTCTG | TCAAGATTCT | TCTTGACCTC | TCAGTGCAGC | ATTTCTTCCT | TCTGGTTATA | 99180 |
| GGACAAGACT | CTCTTTTAGA | ATGGGGGGTC | TTATGACCTA | CAGGCAAACA | AGGTAGGTTA | 99240 |
| GAGTAATACT | TTTAGGTTTT | ATGGCTGGTT | CTAGGGAAAA | GGAGTTCTGG | TTTGTATGGC | 99300 |
| CTACCTTGAG | GAGGAATTCT | GGTTTCTATG | GCTAGACTTT | GGGAGAATG | GGACTTACAG | 99360 |
| ACAGGAAGGC | AGAAGGTGGT | CAGTGAAACA | CTTTTATAAT | CATAATCCCA | TTTTGAGTAT | 99420 |
| TTCTGTGTTA | TGGAATGTTT | GTTCTCTCAT | TTCCTGAAAG | ATTCCAGAGA | CTCCTCATTC | 99480 |
| AGTGTTGTGA | AAAAGTTCAG | GAAATGCAAC | TCAAAAATGT | GCCACTTTGT | TACGCTGATT | 99540 |
| TCTTTGAACT | GAGGGCACCT | AGGAAACAGT | AAATTCAAGG | AAGGGCTTTC | GCTGAACTCT | 99600 |
| AATCAAAAAT | TTGAAAATTA | AAAAAAAATT | CAAAAAGGAA | TTTAGTTGTT | AAGATTCACT | 99660 |
| TCCCTGGGGA | ATCTCATCAA | CCAGAGAAGA | TTAACTGTAT | CACAGGAGAG | GAGACTGGTG | 99720 |
| GTAAACACCA | TCTAAACAGA | CTTTGTCACA | GCTGTCACCT | ATTCTTTGAA | ACACCCATTT | 99780 |
| ATTTTTCTCC | AAAATCATAT | ACTCTCCCCT | AAGTTGCCTA | CATCCCCCTT | CTTTCTCCCT | 99840 |
| TATGAATCAA | GAGAGCTTAT | AAGCTTCTAC | AGTTCACTGG | GATTTGGGGT | ATTCGCTTTT | 99900 |
| CTTCCCTCCC | ACTCCCCCTC | CCCTTTTTTT | GTCTTTGAGA | CACAGTCTTC | TGGCTCTGTC | 99960 |
| GCCCACGCTG | GAGTGTGGTG | GCTCTATGTG | AACTCACTGC | AACCTCCTCC | TCTCGGGTTC | 100020 |
| AAGCGATCCT | CCCACCTCAG | CTTCTCGAGT | AACTGGAACT | ACAGGCGTGC | ACTACCAAGC | 100080 |
| CCGGCTTTTT | TTTTTCTTTT | TCTCCCCCGT | TTCTTTTTTG | GTTATTTTAC | TGGAGACAGG | 100140 |

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| GTTCCTCCAT | GTTGTCCACG | CTGGTCTCGA | ACGCCTGACC | CGCCGTCCTC | GGCCTCCCAA | 100200 |
| AGTGCTGGTA | TTACGGGCAT | GAGCCACTGC | GCCCGATTTG | AAGGACCTCT | TAAATATCTA | 100260 |
| TTTAGAAATT | GGTCGGAGTC | CACTCCTTTC | CAAAAACATG | AGTCACAATC | CGGGAAAAGC | 100320 |
| ACGAGCGGCT | GAAAGTCAAA | ATAACCAGAA | CAAAACCTCC | ACTCATGCTT | AAAAAAGGTA | 100380 |
| TTTTGACAAA | ATCCTAATTC | GGCCAATTAT | TATTAGTATT | CAAGTCGAAG | GCTCGTCAAG | 100440 |
| CCAGACTGGG | GATTGGGTCA | AACATAAACC | TTACACCAGA | CGGAAGGATT | ACATGCAAAT | 100500 |
| GAAGGATGCA | GATTCTGATT | TCCCATTGGG | TATTTGACAT | TAGCCAATGG | GAGAATTCCT | 100560 |
| CACAGCCTAC | CTCCAGTCAG | TATAAATACT | TCTCTGCCTT | GCGTTCTAAT | GTAGTTTCAT | 100620 |
| TACATTTTCT | TGTGGCGATT | TTCCCTTATC | AGAAGTAGTT | ATGTCTGGTC | GCGGCAAACA | 100680 |
| AGGCGGTAAA | GCTCGCGCCA | AGGCTAAGAC | TCGGTCTTCT | CGTGCAGGTT | TGCAGTTTCC | 100740 |
| TGTGGGCCGA | GTGCACCGCC | TGCTCCGCAA | AGGCAACTAC | TCCGAGCGCG | TCGGGGCTGG | 100800 |
| CGCGCCGGTG | TATCTCGCGG | CGGTGCTTGA | GTACCTGACC | GCCGAGATCC | TGGAGCTGGC | 100860 |
| GGGCAATGCG | GCCCGCGACA | ACAAGAAGAC | CCGCATCATC | CCGCGCCACC | TGCAATTGGC | 100920 |
| CATCCGCAAT | GACGAGGAGC | TTAATAAACT | CTTGGGGCGT | GTGACCATCG | CGCAGGGTGG | 100980 |
| CGTTTTGCCT | AATATTGAGG | CGGTGCTGCT | GCCTAAGAAA | ACTGAGAGCC | ATCATAAGGC | 101040 |
| CAAGGGAAAG | TGAAGAGTTA | ACGCTTCATG | CACTGCTGTT | TTTCTGTCAG | CAGACAAAAT | 101100 |
| CAGCCTAACA | GCAAAGGCTC | TTTTGAGAGC | CACCTACGAC | TTCCATTAAA | TGAGCTGTTG | 101160 |
| TGCTTTGGAT | TATGCCGCCC | ATAAAGATGT | TTTTGAGGTG | TTTTTAATGG | CTTTGAGTGT | 101220 |
| GGCACTTTTA | GTAATTTGTC | CTGCAGAAAT | TAGATCCATA | GAAACCTCAG | GAATTCTAGG | 101280 |
| TATGTGGGAG | AAGTGCCATG | CAGCACAAAA | CATGTTTACA | GGGGTGATTC | GCGTTAAGTT | 101340 |
| TCACACACAG | CAGTTACTAC | ATTTTAGAGG | AAGGAAATTA | TACCCATGAG | TGCATTCCCTA | 101400 |
| ACTATCTTGA | ATGGAAGTGT | TAAAACCCGC | ATGCCCCACA | CAAGTTTGAA | TATGTCATAC | 101460 |
| CATTTGCTGT | AGCAATTAAT | GGCATAACAC | ATTGAGAGCA | CACACATTAC | CACTGAACAT | 101520 |
| TTGAGTATGT | ATTTCCCAAA | ATGAGCTTTT | TTCCAGTTTG | GGGATGTTTT | GCTTTGTTTT | 101580 |
| GGGGTGGAGT | CTCCCTCTCG | CCCAAGCTGC | AGTGCAGCGG | CGTGATAACA | GCTCACTGTA | 101640 |
| ACCTCGAACT | CGGGCTCAAG | CGATCCTCTT | GACAGCCTTC | TGAGTAGCTG | GGATTACAGG | 101700 |
| CGAGAGCCGC | CACGCCCCGC | TAAGAGCATT | TTTCTAATTG | CCCACACTTC | TTATGCGACA | 101760 |

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| CCCAGAAAAA | TACAATTTTA | AATAAAGCGC | ATATGCAAAT | TTCCCTAATC | GTCTCCAATA | 101820 |
| TTCTCTGATT | TCTTTTTTAT | ATTTTAACTA | GAAACAATTG | GAGGTTTCCG | CGTTGCTTTG | 101880 |
| TGTGGTTGTA | AATTTTAAGA | CTTCAGGAAA | CTTTTCCAGT | ACAAGACTTG | TCCACAGTGG | 101940 |
| ATATAGCAGC | TAAGGGGTTA | ACAAAATGAC | GTCAGAGTAG | CTACGGTAAT | GGGCAGGAGC | 102000 |
| CTCTCTTAAT | CTGCAACCAG | GCACAGAGAT | GGACCAATCC | AAGAAGGGCG | CGGGGATTTT | 102060 |
| TGAATTTTCT | TGGGTCCAAT | AGTTGGTGGT | CTGACTCTAT | AAAAGAAGAG | TAGCTCTTTC | 102120 |
| CTTTCTCTCA | CAGACGTCTC | TGCAGGCAAG | CTTTTCTGTG | GTTTTGCCAT | GGCTCGTACT | 102180 |
| AAACAGACAG | CTCGGAAATC | CACCGGCGGT | AAAGCGCCAC | GCAAGCAGCT | GGCTACCAAG | 102240 |
| GCTGCTCGCA | AGAGCGCGCC | GGCTACCGGC | GGCGTGAAAA | AGCCTCACCG | TTACCGCCCCG | 102300 |
| GGCACTGTGG | CTCTGCGCGA | GATCCGCCGC | TACCAAAGT | CGACCGAGTT | GCTGATTCGG | 102360 |
| AAGCTGCCGT | TCCAGCGCCT | GGTGCAGAGAA | ATCGCCCAAG | ACTTCAAGAC | CGATCTTCGC | 102420 |
| TTCCAGAGCT | CTGCGGTGAT | GGCGCTGCAG | GAGGCTTGTG | AGGCCTACTT | GGTAGGGCTC | 102480 |
| TTTGAGGACA | CAAACCTTTG | CGCCATCCAT | GCTAAGCGAG | TGACTATTAT | GCCCAAAGAC | 102540 |
| ATCCAGCTCG | CTCGCCGCAT | TCGCGGAGAA | AGAGCGTAAA | TGTAAAGTCA | CTTTTTTCATC | 102600 |
| AGTCTTAAAA | CCCAAAGGCT | CTTTTCAGAG | CCACCCACTT | ATTCCAACGA | AAGTAGCTGT | 102660 |
| GATAATTTTT | TGTTGTCTTA | ACAGAACAAA | TTTCTAAGGA | CCCCCCCCGA | AAGCATTAGA | 102720 |
| CTATGGTCTT | AAAGTTGATT | AACAGAAATA | ACGGTTTGGT | CAGTCTTGCA | GTGTAGGTTA | 102780 |
| TTTCTGACCT | TATTAAGGTG | CTATTTGGAG | AGAAGCTGTG | TAAGTCCACT | ATCATTCAGG | 102840 |
| CCTCTAGCTT | GCTATGATTA | GCATTTGTTT | AAACAACTTT | GTAAGAGTAA | GGGAAAAATC | 102900 |
| TGGTAAGTAG | TTAACTGGCG | CTTACTAGGC | ATTTTTGCAA | AGCTTTGAAA | AGATTAGAAA | 102960 |
| ATTGTGTCTT | GCGAGTTCCA | GTGTCTTCCT | CAAAATGCTT | AGGAAGATTT | TCTCAGCTCA | 103020 |
| ATACATAGTC | CCCTAGGTTT | TCTCATATAT | TATATATATA | TATATATATA | TATATACTGT | 103080 |
| TAAATTCATT | TGGCTGTAA | CATTAACCTG | AAATTTATTC | TGGTGCAAAA | TGTGAGGCAG | 103140 |
| GGATCTAACT | GGCTCTCATT | TTATCCATAG | CTAGCTACCC | ACTTTAAATC | TGTCAGTCTG | 103200 |
| TCGACCAAGC | ATAATTTAAT | CCCTTATATA | TGAATTTTTA | TATGTGTGGC | TTTGCTTGTA | 103260 |
| AATAGTCTAT | CTGGTTGCAT | TGCTTTGTCT | CCTCTAGGAC | TATGCACCAT | GACATGCCAC | 103320 |
| ATTCTTTTTT | TCAGTACTTC | TTGCCTGTAG | TTATTAAAT | CTAGAATTTA | CAAGTTTTAA | 103380 |

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| CCATTTTCTT | TCTGTTGATC | TTGCTTTTCG | GTTTTGGAGG | TTGGGGATTG | AGTACTGGAA | 103440 |
| GAAAATTTAG | AGGGATGGGA | ATACTGTACG | CAAACAAAAG | TAATATTTAC | TTTAAAATTT | 103500 |
| TTATATTTTG | TATTTTTTTA | TCATATAGCT | TTTACATCAC | ATTTTACAGA | CTAACTTTAG | 103560 |
| AACAACCACA | GAATGTCCAA | CATTAAAACT | ACTAATTCCA | AAGACCTTGC | CTCACATTCT | 103620 |
| TTTTTACAAT | AAATATTTTT | TACACCTAAC | ATTCTTTCTT | GGCCTACATC | TAGAATGTAA | 103680 |
| ACTGATGTAC | CATACTAAAA | TCGCCTGACC | AACTGTCAAC | AACAACAAAT | CACACACACA | 103740 |
| AAAGATTAAA | TTTGAATTGC | ATCGTTTACT | TAAATTCATT | TGTGTTCCAG | CTTTTAATAA | 103800 |
| GGCAGTTTTT | GGTTTATAAA | GTAATATTTG | CATTTTAAAA | ATTATGAAAA | TGAATATGTC | 103860 |
| AGTTTGTTTT | ATGATTCGTT | TTTCTTGACT | CTTATACAAG | CGACTCTAAC | TGGCATAGAC | 103920 |
| ATTTGTTATC | CACAGACAGT | ATAGATATGT | TAGAGATGCC | AATGGACTTG | GTCTATGCCA | 103980 |
| AGGTGACTAC | TCACAAGCTC | TGGGCCCAGC | TGAAGGTCAA | GTATTTTTTT | TCCAGTTATA | 104040 |
| GATGTGCTGG | ATCTGATGTA | TAGCGCTTGA | CTTTTTATAT | TTTCTTTATC | TGTAGGAAAC | 104100 |
| AAATGTGTTG | GAGGTACTGG | GTCTGACGAA | TAGCATAAAA | GAATAAAGTT | ACATTACTGT | 104160 |
| CTGAGGATCA | GATGGACAGG | GGGTGGTAGC | TCAGTCCAGC | TATTTTCCAC | TCCCTCACTT | 104220 |
| ACATTCTTTG | CCCCCTCCTC | AACAGAACAA | GGATTCTGCT | GTAACCTCTC | ATTGACAGTT | 104280 |
| GATATTTAAA | AATTAACGAA | TGGATGAAAT | TCTCATTTGT | GAAAGAAAAT | TTATTGAGCA | 104340 |
| TTTTGTATTT | GTGAGTAGTG | CAAACATTTT | AATATTATAT | TAAGAATCTA | TTGTTTTGTA | 104400 |
| TTAGAGGAGT | AATTAAGGAG | AGATTGGAGA | CAAAAAGGGG | GTGTTGTTTG | CAGAATATAC | 104460 |
| CATCCAAAAA | TAGACCACTG | TGGGATCAGG | ATTCTTTTGA | GCTAAAGGCA | CTTCAAAAAC | 104520 |
| AGCATTCAAG | AAGGGAATTC | TTCTAAACTT | TTCTTTCTGA | AAACAGGAGA | TAAAAGTTCC | 104580 |
| AATGTGAAAA | ATGCTCTGCT | TGTACCAGGT | GAAAAGACAT | ATTCTTCAGC | CCAGAGGCAT | 104640 |
| AGATGAGATA | ATTCTGCACA | AACACAGCAG | GGAGTCATAG | CCGAGAGACT | TCTATACACA | 104700 |
| AACAAACCTT | GTTAAAATAA | TCATATATTC | CTTTAATCTC | CTCATATGGT | TTACTTTCCC | 104760 |
| ACAATTGCCT | CTCTTTAACT | TAATGTGAAA | GCATTTAGCT | TTTGCCATTT | CTTTGGGGCT | 104820 |
| TCACTTTTTT | ATGAGGGTTC | TCCTGTCCCA | TAAAATTTAC | ATTAAATACA | TTTGTATGCT | 104880 |
| TTCATTCTGC | TAATCTGTTT | TATGGCAAAT | GAATTATCAG | GTCCAGCTGG | AGACCCTAAC | 104940 |
| AGAGTAGAGG | TAAAATTTTG | CCTCCCTACA | AGATAGAGAT | TGTGTGCATT | AAATGTTGTT | 105000 |

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| TGTTCCCAGT | TGTTTCAGTTT | GTCAGGCCTC | TGAGCCGAAG | CTAAGCCATC | ATATCCCCTG | 105060 |
| TGAACTGCAC | GTATGCCTCT | AGATGGCCTG | AAGTAACTGA | AGAAACACAA | AAGAAGTGAA | 105120 |
| AATGCCCTGT | TCCTGCCTTA | ACTGATGACA | TTACCTTGTTG | AAATTCCTTC | TCCTGGCTCA | 105180 |
| TCCTGACTCA | AAAGCTCCCC | CACTGAGCAC | CTTGTGACCC | CCACCCCTGC | CAGCCAGAGA | 105240 |
| ACAACCCCTT | TTGACTGTAA | TTTTCCACTA | TCTACCCAAA | TCTTATAAAA | CGGACCCACC | 105300 |
| CCATCTCCCT | TCGCTGACTC | TTTTCGGACT | CAGCCCGCCT | GCACCCAGGT | AGAATAAACA | 105360 |
| GCCTTGTTGC | TCACACAAAC | CCTGTTTGAT | GGTCTCTTCA | CACGGACGCG | CCTGAAACAG | 105420 |
| TTTAACAGGG | TTTTTCCTGC | CCAGTCACAA | CAAAGTGATG | TTATGCTGCA | GGCTGAAGTT | 105480 |
| TACAGCTAAT | GCTGTTGAAG | TCTAAAATCA | GTTTTGGTTT | GTTAGATTTG | GGTGAGATGG | 105540 |
| CTAAGATTCT | CAGAGAAAGA | AGTCAAGTTT | GGGGTGCATT | TTTCAGACTT | AAAAATTTAG | 105600 |
| CAGTAGCCCT | TGCAGTTTTT | CCAATAGAAG | TGATTTAAGA | ATGTTTTTCAG | GAAATTTAAA | 105660 |
| ACAACAGTGA | GAAGCGTGTA | TGGAGAGTTG | AACTACACTC | CAGACTTGGC | TATAGGAAAG | 105720 |
| CACGAATGCT | GCTATTGTAT | TGCAGCTTGG | AAAAGAGAAC | AAAGGAATAT | TTTCGGACAA | 105780 |
| TTTTAACATG | TCACATATGA | AAAGCTAAAC | GGAATCTGTC | AACACCTTGT | ACGTTATTAC | 105840 |
| AGGCTGTGAT | TTTAAAAAAA | CAATCCTTAC | TAATACATAC | ATAGTTGCTG | CTAGCAATAT | 105900 |
| AGTGTTGGGA | GTAAAAACAC | GAAAATGAGA | G TTCAGGACA | ATATCCCAAC | TCTGAGCAGA | 105960 |
| TTTTTTTAAAG | TAGTAACATC | TAAAATTAAA | CCATATTATG | TAATATTTAT | TTCTTTTCCA | 106020 |
| CAGTCTCTTC | TCATGCCTCG | TTCACATTAG | CTAATTAAAA | GTCCCCTGAG | TATCATCATA | 106080 |
| ACCCGATTTA | CAGATGAAGG | CACGGTTGCA | ATGAGCTATC | ACCCTCTTCT | GAATGAGACA | 106140 |
| GTACAGTGTG | AAGGATAGCA | AAACTCCACT | CCCATCCTCT | TAGGGCTCTG | GCTGGACCAG | 106200 |
| CAAATTAAAT | TAATGTAAAA | TGGATTAACA | GGAGAAAGGT | ATATGCATTT | ATTTAACACA | 106260 |
| GGTTTTACGT | GACACAGGTG | CTCTCATAAG | GTAATGAAAG | CCCCAAAAAA | GCAGTTAGCT | 106320 |
| ACTTATATAA | TGAATTGGAC | AATTAGTAAA | ATGTAAAAAT | GCGCTAAAGC | AAAGGGATTT | 106380 |
| AGGCTAGAAT | ATATAACTGT | G TAGAGAAGC | GCCCAGCAAG | GGCTAGTGCA | AGGTTTGTAC | 106440 |
| AGAATTCTCT | TGGCCTCAGC | CTCCTATCCT | TGAGAAGAAT | GTTGCTTTTT | TTAAACTACA | 106500 |
| GTGAGAACAT | CTTTCATATG | AGAATTTTAC | CTACTGCTTC | TAAGAAACAG | GTCAGCTTTC | 106560 |
| AAGAAAACAT | AAGGCCAGAG | TGATCTTTTC | ACGCCTGCTC | TTTTAAGTAC | CTTTGAATAG | 106620 |

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| TCAATATGTC | TTCAAGCACT | TGAAAGACTT | AAAAAGTTTA | CCACTCCGGC | ATATTAGTGA | 106680 |
| AAGCCCTTAA | TATAAGCCCT | TATTAAAATT | CTCAGTCGAG | GGTATAAATT | CAGATTCAAA | 106740 |
| TAGTAGTGTC | GTAAACGGGA | GGGAAAAACT | AAAGGGATTA | AAAAGTGAAA | CTATTGTGTT | 106800 |
| CTCCCTCGCA | GTCCTTAGGT | CACTGCCCCCT | CGAGGGGCGG | AGCAAAAAGT | GAGGCAGCAA | 106860 |
| CGCCTCCTTA | TCCTCGCTCC | CGCTTTCAGT | TCTCAATAAG | GTCCGATGTT | CGTGTATAAA | 106920 |
| TGCTCGTGGC | TTGCTTTCTT | TTGCGGTACC | TGGTTTTTGT | TGTCAGCTGG | TTAGACATGT | 106980 |
| CTGGTCGCGG | CAAAGGCGGT | AAAGGTTTGG | GTAAGGGAGG | TGCCAAGCGT | CACCGAAAAG | 107040 |
| TGCTGCGGGA | TAACATCCAA | GGCATCACCA | AACCGGCCAT | TCGGCGCCTT | GCTAGGCGTG | 107100 |
| GTGGGGTTAA | GCGAATTTCC | GGTTTGATTT | ATGAGGAGAC | TCGTGGCGTT | CTCAAGGTGT | 107160 |
| TTCTGGAGAA | CGTGATCCGG | GACGCCGTGA | CCTACACGGA | GCACGCCAAG | CGCAAGACTG | 107220 |
| TCACTGCCAT | GGATGTGGTT | TACGCGCTCA | AGCGTCAAGG | ACGCACTCTG | TACGGCTTCG | 107280 |
| GCGGTAAATC | TTTTCGTCAG | TTTTCTTCCA | ATGGCCCTTT | TCAGGGCCGC | CCACTCCCTC | 107340 |
| TCAGAAAGAG | CTGTGATTGT | ATTCTTTCGG | ATGGTAACAT | CTCAATGGCT | TTACTCGGCT | 107400 |
| ATTCTGCCTA | GTATGTAGAA | CTATTATAAA | CCAGTTGGGA | GAGACCAGGT | TGTTTGGTCT | 107460 |
| GAGTGGCTGC | TAAAGCAGAA | ATCAGCTAAG | TAAACGAGGT | CTCCGAGATA | AGTGAGCTAT | 107520 |
| AAACTTCAAT | GCTATAGTTT | TGACATGTCA | AGCAACTTAA | CGTGCAGCGC | GAGTCCGATA | 107580 |
| AATGAGTAGC | TCAGCTTTTT | AGTTTTAAAA | ACGAGTTGTG | CGTTATTTGT | ACGAGAGCCT | 107640 |
| AAGATGCTAG | CTGCCTGGAA | CTGAGTAGGT | GGATTAAAT | GGGTGTCAGG | TCTGTTTTCC | 107700 |
| CAGGCGTATC | TGACTTAACG | TCAGCAAAAG | CTGTACTTTT | AGCTTCCCTG | GTAACACCTG | 107760 |
| CCGTCCCTAA | CCGCCCCCTG | CCGGTAGCGC | CAGAAGCCTT | TACTTCCATT | TCTAGTTGAG | 107820 |
| CTTGGCGTCC | TGCTGAGTGA | CGTCACCTCC | CCCTTCTCTG | GAGTAGGACT | GGCGGTAAAA | 107880 |
| GCTGCTTTGC | TATTTTCAGT | CCTCAGGCTG | GAGGCTCCCC | TAAGCAGGCT | GCCTACGCAG | 107940 |
| TTCGTAAATT | CCCACTTAGT | AGACTAAGGG | AGTCTGTTTT | ATAAATAAGG | ACTCAAATTT | 108000 |
| CTTCTGACTC | CGAGGTCCGT | GGCAGCAGCT | ATAAGATGGA | AGCCCCCTCT | GATGTAAGAT | 108060 |
| TCTCAGATGA | CTTGCATCTT | CACTGTACCT | GTCAACCCAA | TAGTCTTCTA | TTCTGCCTT | 108120 |
| AAATTGTAAA | TTCCAAAAC | GATTTAATTG | TGAAAGTTTC | AAACTGTACG | ACCTAGGAAG | 108180 |
| TGTCAAAGTT | AGGTGACCAG | ATTTTTAGAA | GTCAGCCAAA | TATTCAGCAT | CTTTGATTTA | 108240 |

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| GTAACAAATA | TATTGATGGC | TACTTCAGCA | AAAAAAATCA | ACTTTGTTTT | CTGGTTACTT | 108300 |
| TGCTAACAAG | CTTCTCCTGA | CAGGAGGATA | TAGTGAATAG | GCAGTTGAAT | AAGTGAGTTC | 108360 |
| GGGTGAGAGG | TCTGAGCTGG | AGATAAAAAAT | GTGTGAGTCA | TCAGCAGATA | AATAAATGCT | 108420 |
| GAGACCAGAT | GAGATGGCTA | AAAAGTGA | CATAATGTAG | TGCAGCATTG | TTTGTAATAG | 108480 |
| TAAATGAGTG | GCAACTGTAA | AGTTTTTCATC | AGAAAGGACT | AGAGTGATCT | ATACATCCAT | 108540 |
| AAAATAGAGT | ATTTCTCTAC | ACAGCCCTAC | TAAAGAATGA | GAAAGCTGTA | CTCCACTACA | 108600 |
| TACTCTGGTG | TACTCTGGCT | CAGTTCTTGG | ACTCCTCTTT | TCTTGGCTAA | CTCAACTGGC | 108660 |
| CTCACCCTT | ACATGCTCTG | TGCTCTGTCA | AATAGTTTGT | TCAACAGAAC | ACCACGGCCT | 108720 |
| AGCTGTAAAGT | GCCACGTTAA | CTTCTAGCAA | TGCCAAAGCC | TGTGATAGTG | GCAGCTTCGG | 108780 |
| GCTGTTTCTC | ATTCCCGGGA | TGCCTAACCA | CCTCTCCAAA | TTCTATCAGT | TTGCTTCCAC | 108840 |
| CCACTTCAAG | CTTCAGAACG | AAACATAGAG | CTTAAGAAAT | ATAGGCCCGG | CAAGGTGGCT | 108900 |
| CACGCCTGTA | ATCCCGGCAC | TTTGGAAGC | TGAGCCTGGT | GGATCACCTG | GGGTCAGGGG | 108960 |
| TTGAGACCA | GCCTGGCCAA | TATTGTGAAA | CCCCGTCTCT | ACTAAAAAAA | AAAAAAAAT | 109020 |
| TAGCTGGGCA | TGGTTGCGGG | CGACTGTAAT | CCAAGCTACT | CGGGAGGGTG | AGACAGGAGA | 109080 |
| ATAGCTTGAA | CTCGGGAGGC | AGAAGTTGCA | GTGAGTTGAG | ATCGCGCTAT | TACACTTAGG | 109140 |
| CCTGGGAGAC | AAGAGTGAAA | CTGTGTCTCT | AAATAAGTGT | TTGCAATTAT | AAACCATCTC | 109200 |
| CCTGACCTTA | AATCTCTAGA | CTCATATACA | ACTGCATATT | TGATGTATCT | AATTGAATAA | 109260 |
| TGGGCATCTC | GAACTTGTCC | AAAATATGTT | TATACGTAAA | CACCAAGTCT | GTTCTTCCTC | 109320 |
| TGATATTTGT | CATGTCAATC | AATAGAACTC | CATTCTTCAA | GCAGCTTGGG | CCAGGAATTG | 109380 |
| TGCAATATTG | TTTGTCTGA | GCTTCTTACA | ACTTTACACC | AATGCAGTCA | GCTCTGTTGA | 109440 |
| AAATCAATCA | GAATACCTTT | CATTGTTTTT | TTTGCTGCTT | CTCTAGGAGC | AAGCTGCCAT | 109500 |
| GGCGGTTTGT | CTGAATGACC | ACAGTGACCC | CAAAGTGGTC | TTTGTTTTCA | CTTTTAATCC | 109560 |
| CCCTGTCATA | CAGTTTTTTT | TCTATCCAGC | ATCAACAGTG | ATCCTTTTTG | AAGGTATTAT | 109620 |
| GTCCACTGTC | TGCTGAAAAG | ATTCCACTGG | CTTTCCATCA | CCTTCATAAT | AAAAACCAGC | 109680 |
| ATCCTTATCA | TAGCCTACAA | GTAAGATGAC | CAACCATTAC | AGTTTGCCTG | ACTCTCAGGG | 109740 |
| GTTTCTCAGG | GTGTAAGACT | TACAGTGCTG | AAACTTAGAA | AGTTCCAAGC | AAACTAGGAT | 109800 |
| GAGCTGCTCA | ACCTACTAGA | TCTGTACTCT | GGCTACCCTC | TGACCTCATT | CTCTTCGCAG | 109860 |

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| TTCTTTCTCT | TCACTGACCT | TGCTGTTTCT | GGAATGGACC | AAGCATTTCC | AGCATCAGCA | 109920 |
| CCTTTATATC | TATTCTTTCT | CCCTAGAAGG | GTCTTGTCCCT | GGATATCTGA | ATGGCTCTAG | 109980 |
| ATCTCATTTT | ATTCAAGCCT | CTCCTCAAAT | ACCAACCTTA | CGAAAGAGAC | CTCCCATAAT | 110040 |
| CATCCCTTGT | AAAATAAGCT | TTTCTGCTCA | TTTAGCATAT | ATATATATAG | TTGACTATCC | 110100 |
| TCAATAGCAT | ATATATATAA | CATTTCCCCA | CCTAGAATTA | TATATGTAAT | AATATATTTA | 110160 |
| ACAAAAAATA | CATATAACTA | GATATATTTT | ATTTTGTGTT | TGTTCTCTCT | CCCCCAACTG | 110220 |
| GAATATATTT | TTTGAAGGTA | GGGACTTTGT | TTTGTCCCAG | AAGTATCCCT | AGCACCTTGA | 110280 |
| ACAGGGCTGA | CGTTTAACAG | GTAGTTTATG | GAGGTTTGTG | GAATGAAAGG | ATGTGTGAAT | 110340 |
| TTTCTATGTA | AGTCTCCAGG | CTCTCCACTA | AGCCCACCAG | AATGCTAACA | CAATCAATTC | 110400 |
| CCCATCTCAT | TCCTTGACCT | GCCACTGCCT | GAAGCAATCA | GCGTGCAGTT | TCTCTTTAGA | 110460 |
| AAATCTGGGG | GATAGTCTAG | GGGTTGCAAA | TTAAGCAACA | TTATCTTTGT | TCTGAACAAG | 110520 |
| GACTGCATGA | GTGTTAGGAC | TGAAGAAGGC | CCAAGGTGGT | GGTGGGTATG | CCTAAGATGA | 110580 |
| GTATGACATA | TCAGCAATGC | TATGAACATA | GCAATGCTAT | GAAAGGCCAG | GCAAAACGTA | 110640 |
| ACAGGAGCTA | GTCGTGGCTT | ATTGTTACAA | CGACTATACC | TCCCATATGG | GTAATCGATA | 110700 |
| TCCACACACC | CCTCTACATT | GACTCTGGAA | TTCAGGAAAG | GGAATTAAAA | TTTTCTAACT | 110760 |
| TATGTACCCC | AATGATTTC | ACAATATCTG | GCATATGAGA | TCAATAAATA | TCTTTAAAT | 110820 |
| ACCAACTAAG | AAAGACATAA | AATGACCCAC | CCTCCATACC | AGGCTCATTT | TTGCTCCTCT | 110880 |
| GATTCTTGAA | ACTATCCAGA | ATGCAGCTAT | GAATTCTCTC | CATTGTCAGT | TTTAAATTAA | 110940 |
| GCCAAGCTGG | GTAATTGTGT | AATTCTCTCA | GAAATCCTGG | ATGAAAACCTG | TCAGGTGGAA | 111000 |
| AACAGGACCT | CAAAATAAAG | AGACATCCAT | CACTGAAGCT | AACATCGTGA | GGCTGAAATC | 111060 |
| AGTCCTATAA | CAATGGTACC | AAAAAGAGCA | CAATGAGAGG | CATTTGTGAA | TATTTACTCA | 111120 |
| GATGAGAGTA | AGATATTTCC | CTATCAGCTA | ACCTGAAGTT | CACATCCCTT | TTCCAGCTGA | 111180 |
| GTTCTGAAGC | TAGATGTACT | TAAGTGAAC | ACATAACTGC | ATCAGGAACA | TCCTTTAAAA | 111240 |
| CTATGGCTAC | CATGGCTTGA | CTGGACAAAC | CCCAGGCTTC | CAGGTTTAGC | ACAGGTGGCC | 111300 |
| CTTCACAGAC | CAACATTGCC | TATGCTACCA | ACCTCATGTC | CTACCACCCT | GCTTGCATCA | 111360 |
| TTTCTCTCTC | TGCATATATA | AAAATATATG | TGTATGTATA | TAATCAGCTT | TATTGATATT | 111420 |
| TAATGTACCA | CAAAATTTGC | CCACTTTAGG | TACAGTTCAA | TGAATTTTAC | CGTGTTTTCT | 111480 |

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| TAGTTGTACA | ACCATCATCA | CAATTTAATT | TCGGAATATT | TCTATCACCC | AAATTTCCAT | 111540 |
| TTCTGCGTAA | AGGGGGAAAA | AAAAAGGTTA | ACTGCTGAAG | GCCGCGGTAA | CACTGAAAAA | 111600 |
| GGTGCCTTTT | CTCTCTAAAA | CAGATTTTAA | TCTCCCCTGA | ATTTAGTGTC | CTGGGTATTCT | 111660 |
| CAGGAGTCTG | AATAGGGTTT | CAATTTTCAG | GGTCTTTTTTA | ATAGAGTAAA | ACTGTATTGG | 111720 |
| TGGCGATAAA | TTTAGTATTG | CTCTCAGTAC | ATGATTGAGG | GATACTTAAA | TGTCTCTGTG | 111780 |
| ATTTTATTTT | ATAATCGCTA | AAAGATGGTT | TTTTTTTTTTC | CTAAACAGG | GTTTTTGTTT | 111840 |
| TTTCTCAATA | AGCTTCTTAG | CTTCCCCTCC | GGCTCCCTGG | CTTGCTCAG | GAAATATTAG | 111900 |
| CTCATCAGTT | CTGATTGGTT | GACAGCTACG | AATGGCCCTC | ATTGATTGGG | CAGCGCTTCT | 111960 |
| TTGTCCCTTG | GAAACTAATA | CAAATTTTTA | ACACTACTTT | TTTTCCACTC | TTTCTTCAGA | 112020 |
| GTTGGAATAT | CGTTGCTCCC | CTACCCATAT | GTAGTGAGTG | GAGGGCAAAC | TTGGAGTTCC | 112080 |
| CCTAATCTTT | CCTTTTTTAGG | ATGTCAGCTC | AGTATCATTC | ATCTTAATTA | CACATTGAGC | 112140 |
| TTCTTGACTT | AATGGATACA | GCTCTTCTTT | TGTTTAGTTG | GGCGGCCCTG | AAAAGGGCCT | 112200 |
| TTGGTTCAGA | AATGCAAGCT | GTGGAGAAAT | CAGCAACCTT | AACCGCCAAA | GCCATAAAGG | 112260 |
| GTGCGTCCCT | GGCGCTTAAG | CGCGTAGACC | ACGTCCATGG | CAGTGACTGT | CTTGCGCTTG | 112320 |
| GCGTGCTCCG | TATAGGTGAC | AGCGTCACGG | ATCACGTTCT | CCAAAAACAC | CTTGAGCACC | 112380 |
| CCGCGAGTCT | CCTCGTAGAT | CAGACCAGAG | ATCCGCTTCA | CACCGCCACG | CCGGGCCAGA | 112440 |
| CGCCGGATGG | CCGGCTTGGT | GATGCCCTGG | ATGTTGTCAC | GCAACACCTT | GCGGTGGCGC | 112500 |
| TTGGCACCCC | CCTTACCCAA | ACCCTTCCCG | CCCTTACCAC | GTCCAGACAT | GACTTCCCAA | 112560 |
| GAAGTGAACC | AAGAGCAAGT | GAGAGAATAG | GAAACCGATC | TTTATATATC | TACGTTACCC | 112620 |
| CTGCCCCCAC | CTCCAGCGGA | CACTGAGACT | GAAAAGCGCG | CAGGCGGGAA | ATGTGACGCC | 112680 |
| TACAGTCCGC | TCCTTTAACC | CCTCCTCCAA | GCCCCAGGAA | ATGGCGGGAG | CAGCGATTGG | 112740 |
| GGGAGGGTGG | GGAGATGAGG | GTGGGACCAA | GCAGGCTTGA | CCAATGGCCT | TTATTTTCTT | 112800 |
| AACAGAGCTA | CAGGCTTTGA | GGAAGTGGGT | TAAGAATTAA | ATGTAAACCC | ATTCTGACTC | 112860 |
| CAGAATTATT | TTAAGTCGAA | CTTTTTTTTT | AACCGAATCT | CTCTGTCGCC | CAGACTGGAG | 112920 |
| TACATTAGAG | CCATCTCGAT | TCACTGAAAC | CTCTGCCTCT | CAGGTTCAAG | TGTTTCTCCT | 112980 |
| GCCTCAGCCT | TCAGAGTGTA | GCTGGGATTA | CAAGCGCTCG | CCGTCGCGCC | CGGCGTGTTT | 113040 |
| TTGTATTTTT | CGTAGAGACG | GGATTCGGCC | ATGTTGGCCA | GGCTGATCCC | GAAGTCTCTGA | 113100 |

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| TTTCTGGTAA | TCCGCCCCGCC | TCAGCCTCTC | AAAGTGCTTG | AATTACAGGC | GTGAGTCACC | 113160 |
| GCGACCGGCC | GAAATCGATT | GGTTTTGAAG | CCTTCAGTAG | CATTAAAACG | AAAAGTGCTC | 113220 |
| CCAATGCATT | CCCTTTTGTC | TTAAATTGGT | TTCTTACAGC | TACTTTACTT | GAAAAGGTGG | 113280 |
| TGGCTCTGAA | AAGAGCCTTT | GCTTGGACCG | TCAGAGAGAC | CACAGTAATC | ACGCCCTCTC | 113340 |
| TCCGCGGATG | CGGCGGGCGA | GCTGGATGTC | CTTGGGCATG | ATAGTGACGC | GCTTGGCGTG | 113400 |
| GATGGCGCAC | AGGTTAGTGT | CCTCAAATAG | CCCTACCAAG | TAGGCCTCGC | ACGCCTCCTG | 113460 |
| CAGAGCCATC | ACAGCGGAGC | TCTGGAAACG | CAGGTCTGTT | TTAAAGTCCT | GCGCAATCTC | 113520 |
| GCGCACCAGG | CGCTGGAAAG | GTAGTTTACG | AATAAGCAGT | TCAGTGGACT | TCTGATAACG | 113580 |
| GCGGATCTCG | CGCAGAGCCA | CGGTGCCCCG | CCGGTAGCGG | TGGGGCTTTT | TCACGCCGCC | 113640 |
| GGTGGCCGGA | GCGCTTTTGC | GGGCTGCCTT | AGTGGCCAAC | TGTTTGCGTG | GCGCCTTGCC | 113700 |
| ACCAGTAGAC | TTCCGAGCAG | TTTGCTTAGT | GCGAGCCATG | ACGGAAAAAC | AGCACAGCGG | 113760 |
| AACACCCAAC | ACTAGCGCAA | ATACGCCCAT | GAGCTGCTCT | ATTTATAGTG | TGTAAAGTGC | 113820 |
| AGTGATTGGA | TGATAGAAGA | CGCTAAATAT | GACGTTACAC | ACTCTGATTG | GTCTATCTTT | 113880 |
| AAGCCAGCAA | CAATCGTGCA | GTTTCACCGG | CTACTATATT | CTATTCCAAC | TCTACAGATG | 113940 |
| ATTATTTAAG | TGGTATTTTA | TTACTACTAT | TATTTTATTT | TACTTTTGCT | TTGTTCCCCA | 114000 |
| AGCTGGTCTT | AAACTTGGGC | TCAAAGGATC | TTCCCGCCTC | AGCATCCAGA | GTAGCTGGGA | 114060 |
| TTACAGGGGA | GCCCCACTGC | GCCGGCTTGG | ACTTTAATTT | TTTAAACTTG | TCCTCTTCTA | 114120 |
| CATCTGGTTT | TCATAACCTG | AAGGCTGTGT | TTATTTTCCA | TAAAACAAGG | CATTGATTCC | 114180 |
| AAAGGTATTA | TAATTCCCCA | ATTCCGTATA | ACCTTCAGCT | CTTTAGGAAA | AAAAAAAAAA | 114240 |
| AAAAAAAAAA | GAGGGAATAC | TGCTCACCTC | CTCTCCGGAA | ATGTACCCTT | TACGGGAATT | 114300 |
| TCTGAAACCT | TTCACAAGAA | TTGGATTCTT | TTGTAATGCT | TTAATTGACT | TAGGAGTGTT | 114360 |
| ATTGAAATCT | ACAAAGCATC | TCAAACATAG | TAGGATTACA | CTATTACTCA | GAAACATTTT | 114420 |
| CTATGAGACG | TCTTTCTCTT | GATTATGCTC | TTTGAATCCT | AAACTTGCAG | CGTTCTGCAG | 114480 |
| CTTTTGTTTT | CTAAAGCCTA | GGTGTACTCT | GCCAGTCACA | AAATGGCGTT | TCTCCAGCAC | 114540 |
| TGCCGCCAGG | TACCACCAGC | TGGGAGTTGT | TCCTCTTGCG | GAGCAGGAGG | TGGACTTGGC | 114600 |
| CCAAGAGAAA | CTGGATAGTG | GTTTCGAAGG | AACATAATTT | AGCATTGCCA | AGAGCTAATG | 114660 |
| CAATCATTTT | GAAAATCTCA | AAACACTGAA | AAGTGGATTG | TGACCTTTTT | AAATTCACAA | 114720 |

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| GAGACAGGCC | ACATTCTATC | TTTTGATTGG | TTTAGGCTAT | TTTCTTGAAC | AGCCATTTAG | 114780 |
| AAAGCAGATC | TATCATCCTT | CATTTGCATG | GAGCGTTCCC | ATTTTATTTG | AAACCAGTTT | 114840 |
| AACCCAATAG | AAAAAAGGGA | GGCAGAACCC | ATTATTTAAA | GTGGAAACTC | CTGAATCAGA | 114900 |
| TAATTAGGAG | TATTTCCCTT | TCAAAAGTTG | CGTTTTTTTCA | GATACCTCGC | TTATTACACT | 114960 |
| AAGAAAGGTT | TATATCTTTC | ACAAAGGGTT | TACTTACAAA | AATCTTCCAA | TTTTGTATAC | 115020 |
| CTGTGTTTCA | TAACTGACTA | GCCGTCAAAC | CAAGATGTAG | AGTTTCCAAC | CGTTATTTTC | 115080 |
| CAAATTTTTA | GAAATTACGT | GAAATATTTG | AATGCATGCC | TTCTCAATAA | AATGGGACGT | 115140 |
| AGGAAGCACT | GGTGCAGAAG | ATGGGTACAA | TACTTATCTG | GGACCACTCC | ATTATTTGGT | 115200 |
| TGGCACGTTG | TTTGAACAAA | AAGGGGAAAA | GCTCAGGTTA | CTTAGCATGG | TTCGGACTTA | 115260 |
| TTTGAAAAC | ACCACAGCAG | GAGCGGAAAT | AAGACCGCAT | TACCTCACTC | TCTGCTGTGC | 115320 |
| TGTGCTAGGG | GGTTATCCAG | AATAGGATTG | TAGAAGTGGA | TGTCGATTTA | ATAGTTTTTT | 115380 |
| ATTCTCCCAT | TAGCTGAGTC | TCTGATTGGC | AATGTGAGAT | CGTTTTAGCT | TATTGATACT | 115440 |
| TTGAAATGCA | CTTAACAGCC | ACAAACAAGT | TAAAGGGTTG | TTACCATAAA | ATCTTATCCC | 115500 |
| CAGGGTGTGC | TTGCATTTAT | CACCCGTGTT | TGCTTTCACA | CTAAGTGGAC | TTAACTCCCC | 115560 |
| AGCAGAATGC | CTGTCAGGGA | ACCGGTTTCG | TGGACCCAGC | ATTTAACGCC | TTTCGCAGGC | 115620 |
| TTGTGAGGCC | CATAAATATT | TGTTGAATAA | AAGAATGAGT | TGACCATGTC | ATGGTGCGCT | 115680 |
| GATTGCGTGT | GCTGACATGG | AACACAGGTT | GTAAACCTTA | ATACCAATTT | GGGGCATGTT | 115740 |
| GTATGGATGA | AAAGGGCATT | GGAAATTCCT | GAAGTGCATC | CCACATTGGA | CTGTGGAAAT | 115800 |
| AAGTTGCAAG | TGCAGAAACG | TTTCCACACT | TGCAGTTTGA | GTATTAATTG | CAGCGTTTGT | 115860 |
| GAATTCTGGT | GTTGTCTACG | ATTCATTCTT | GTTTGACGTG | AAAGGTATTC | GCGAGACACA | 115920 |
| TCGCTCTAAA | ACATTGCCAG | AAAATGTAAT | AGAGTTGATG | ACAACGGCC | CTAACACGGC | 115980 |
| CTAAAACTCG | CACTTTTCTC | TCCCTCCGCA | ACTATTCAAA | ACACTGTATT | TTACATTTCT | 116040 |
| TGCAAAATTAA | AAACTAACAT | CTCTGGCAAC | GGACCTCTAA | AAATTTCTAA | TAAAACTCCT | 116100 |
| CGGATGCTTG | TGGCACTGCA | TTTGTAACC | GCCCCCTCTC | AACCTACTCC | CTAAAAAAGA | 116160 |
| GCTGCTTTTT | GAGAGAGAAG | CGGTACCCTC | TGATGTTACT | GGGCGGCAGT | CTGCCTACAA | 116220 |
| TTTCCTTCAC | AATGAGGCAA | CCAGAGCGGC | TTTTTCTGTG | TGTTTGCTTG | CGTTGAGGGG | 116280 |
| AGCAGGACCA | TAGGCCCTAG | AGGCCCCCAG | CTGCCTTCTG | AGACTGGGCG | AAACCCTCGG | 116340 |

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| CAGCGCGCAG | GGGGCGCTAG | GGCGCGAGGG | GCGGGCACTG | ACGGGCACCA | ATCACGGCGC | 116400 |
| AGTCCCACCC | TATAAATAGG | CTGCGTTGGG | GCCTTTTTTT | CGCATCCTGC | TTCGTCAGGT | 116460 |
| TTATACCACT | TTATTTGGTG | TGCTGTGTTA | GTCACCATGT | CTGAAACAGT | GCCTCCCGCC | 116520 |
| CCCGCCGCTT | CTGCTGCTCC | TGAGAAACCT | TTAGCTGGCA | AGAAGGCAAA | GAAACCTGCT | 116580 |
| AAGGCTGCAG | CAGCCTCCAA | GAAAAAACCC | GCTGGCCCTT | CCGTGTCAGA | GCTGATCGTG | 116640 |
| CAGGCTGCTT | CCTCCTCTAA | GGAGCGTGGT | GGTGTGTCGT | TGGCAGCTCT | TAAAAAGGCG | 116700 |
| CTGGCGGCCG | CAGGCTACGA | CGTGGAGAAG | AACAACAGCC | GCATTAAGCT | GGGCATTAAG | 116760 |
| AGCCTGGTAA | GCAAGGGAAC | GTTGGTGCAG | ACAAAGGGTA | CCGGAGCCTC | GGGTTCCTTC | 116820 |
| AAGCTCAACA | AGAAGGCGTC | CTCCGTGGAA | ACCAAGCCCG | GCGCCTCAAA | GGTGGCTACA | 116880 |
| AAACTAAGG | CAACGGGTGC | ATCTAAAAAG | CTCAAAAAGG | CCACGGGGGC | TAGCAAAAAG | 116940 |
| AGCGTCAAGA | CTCCGAAAAA | GGCTAAAAAG | CCTGCGGCAA | CAAGGAAATC | CTCCAAGAAT | 117000 |
| CCAAAAAAAC | CCAAAACTGT | AAAGCCCAAG | AAAGTAGCTA | AAAGCCCTGC | TAAAGCTAAG | 117060 |
| GCTGTAAAC | CCAAGGCGGC | CAAGGCTAGG | GTGACGAAGC | CAAAGACTGC | CAAACCCAAG | 117120 |
| AAAGCGGCAC | CCAAGAAAAA | GTAAATTCAG | TTAGAAGTTT | CTTCTAGTAA | CCCAACGGCT | 117180 |
| CTTTTAAGAG | CCACCTACGC | ATTTCAGGAA | AAGAGCTGTA | GTACACAGAT | GAAATCCCCC | 117240 |
| AAGCAAATGC | AACACGCCCT | CAATTATATT | AGAATCACTT | GGAGAGTCGA | TAGAACTTTA | 117300 |
| ACATAGCCTC | ATCTAGTAAG | AATTTACTAC | TCAATCTATC | AAAGATAGCA | AGGTGAATTC | 117360 |
| AAATGCACCG | AGTTAAAATC | GAGTTTTTAA | GTCACCTGGG | TTTCGGTAGC | CGGAAGTCCC | 117420 |
| GCGTCTCAG | ACTCCAAGCT | AATTAGTCAT | AACCGTATTG | AACCAAGGTT | GAAGCCCAGT | 117480 |
| CCCAGGCTTG | AGGCTTTTTTA | TTATACAAGG | TTAAAGTGGG | GATATTGCGT | TTTGGGGTCA | 117540 |
| ATATTGCTAA | AGTAGCATTT | TCCGAAATTG | GGTGGTCCTA | AGAAATGCTT | CTGGGATAGT | 117600 |
| TGGCAAAATA | TATGGCTTAA | CCACGCCCTC | TCCACAGGAG | TGGCTAGCGA | GCTGTCTGTC | 117660 |
| CTTGGGAAGG | ACGGTGACCC | TGCTGGCGTG | GCTGGCGCCC | ACGTTGGCGT | CCTCTGAAAG | 117720 |
| CCCCGCCAGG | TAGGCCTAGC | TCGCTTGCTT | TCTGCAGCGC | CATCATGACA | AAGCTTTGAA | 117780 |
| ACGCAAAATG | CTTTCTTTGT | GCAGCGCCTT | ACCATGGGTG | CACTTACGGG | CTGTGCACTT | 117840 |
| GGTTTAGGCC | CTTGTCAGGA | CAAAGGAGCT | TAGTTTGTTG | GAGTTTTAGA | GCTGCAACCC | 117900 |
| AAAATCCCTT | GCTCGGTTTC | TCTGTTTTTA | GAAACGGAAG | CGCCCTGATT | GGATATTTGA | 117960 |

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| AAATTACTGT | GCTTAACTGG | ATCGTGTTTC | ATCAGTCGTG | CAGGATTTTC | AACCCTGGTG | 118020 |
| GAGCCACAC | ATTCAAACT | GAAGATCCTT | TTCTCAGAAC | TGCCCCTTTA | AGCTTTTGCA | 118080 |
| ATTTTAATTC | TGGGGGTCAG | ATTTTAATAA | TTGGACTTTT | TTGTTTACAT | CTGACAAGAG | 118140 |
| TATATGATGA | GCCAAGTTTA | CTCACTTTTA | CTTAGTGCAG | TTCAATTCTA | AAAGTTTATT | 118200 |
| TTTGC GTGTG | TGCATATGAG | TTAATAATCA | GTTGTATTTT | TCAAACGGTC | TTTTTTCAAT | 118260 |
| TGTTTTGCTT | AGCTCCTTCC | ATCGTCTAAA | GTCAGGGATA | CAGGCACATC | ACATCCCTGT | 118320 |
| TCCCCCTTCC | TCAAAC TAAT | ATGTAGCTAC | CTAGGTTTAT | CCTTTAAAAC | AAAAATTCTC | 118380 |
| ACCTATTTTTT | GTGAGAAATA | TACATGTTTTT | TCTTTGAACT | AAGTATTTTA | CATACACCTA | 118440 |
| TCTATATACA | TGCATACTTG | TGGTTTTGTT | TTTTTAAAAA | AAAAAAAAAA | AAAACACGTT | 118500 |
| ATCTTTTGAG | ACTGGGTCTC | AGTCTGTTGC | CCAGACTGGA | CTGCAGTGGC | ATAATCACAG | 118560 |
| CACACTGTAA | CCTCCAAC TC | CTGGGCTCAG | GCTATCCTGC | AGCCTCAGCA | TCCGGAGTAG | 118620 |
| CTGGGATTGC | ATGCACGCAC | CACCAAGCCG | GGCTTTTTGT | TTTTATTTTT | TGTGGAGACA | 118680 |
| GTCACACCAT | GTTGTCCAAG | CTGGTCTAGA | AATGGCCTCA | AGTGATCATC | GACCTCCCAA | 118740 |
| AGTGTTGGGA | TTACGGTCAC | TGTGCCTGGC | CTTGTATGCA | TAATTGTTTT | GTCTTTTGAT | 118800 |
| TAGGGTTATT | AATTTAAAAA | ACAAAGCCTG | GACGCAGTGG | CTCACATCTG | TAATCCCAGC | 118860 |
| ACTTTAGGAA | GCCAGATGGG | CAGATTACTT | GAGCTCAGGA | GTTCAAGACC | AGCCTGGGCA | 118920 |
| ACATGGTGAA | ATCCCATCTT | GACAAAAAAT | ACAAAAAATT | AGCAAGGCCC | AGTGGCACGC | 118980 |
| ACTTATAGTC | CCAGCTACTT | GGGAGGCTGG | GGTGGGAAGA | TGACTGGAAC | CTGGGAGGTA | 119040 |
| GAGGCTGCAG | TGAGCAGAGA | TCGTGCCACT | GCACTCAAGC | CTAGGTGACA | GAATGAGACC | 119100 |
| CAGTCTCAAA | ACAAAAATAA | TAAAAATTTT | TTACAACGAT | GTTATATACA | CTTCTGCATG | 119160 |
| TTGCTTTTCT | CTTAACCAAA | CTTTTCTAAA | ACCCTGTCAT | GAAAAAAGAA | ATCCTTCACA | 119220 |
| TGGAATAGCA | TAAGTTATTC | ATCCATTTCT | TATTGATAAG | CATTGATGTT | TCCAGTTACC | 119280 |
| ACTGCTGAAC | ATGGTGCAAT | TGAATAGAAT | TCCAGGGCTG | AGATTGCTAG | GTTTTAGGTT | 119340 |
| GTATTTTATT | ATTTTATTTA | TTTATTTATT | TATTTAGACA | GAGTCTTACT | CTGTCACCCA | 119400 |
| TGGTGGAGTA | CAGTGCCATG | ACCTCAGTTG | CAACCTTTGC | CTCCTGAGTT | CAAGCGATTTC | 119460 |
| TCATGCCTCT | GGTCTCCCGA | GTAGCTGGGA | TTACAGGCAC | CTGCCACCAG | GCCTGGCTAA | 119520 |
| TTTTTGTATT | TTTAGGAGAG | ATGGGGTTTC | ACCATGTTGG | CCAGACTGGT | CTCAAAC TCC | 119580 |

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| TGGCCTCAAG | TGATCTGGCC | ACCTCGGCCT | CCCGAAGTGC | TGGGATTACA | GGTGTGAGCC | 119640 |
| ATGGCGCCAG | ACCTGGACTT | TGTCTTCTGT | TTCATCAGTC | CTTCTGTTGG | TTCAAGCACA | 119700 |
| GATCACA | GAAGACTGAT | GATTCTATAT | AAATATGGTA | AAGACTGTAC | ACCCTAACTG | 119760 |
| TTCTTATTTT | TTAATTTTAA | GGCAATTTTA | GATTCCAGCT | TTCCAAAGAA | TTGTGGAATG | 119820 |
| CTTAGAGCTA | GAGAAGCCTT | GGAAGTCATT | TAGTTTTTGT | TTTGTGAGAG | AAAATTCTGT | 119880 |
| AGAGACTCTG | TCCTGCTCTC | ACTGAATACC | ATCCCATAGT | ACCCCCCAAC | AGCTTTAAAG | 119940 |
| GGCAATAATA | CCTTATGGAC | AGTATGCTTT | TCCTCAAATA | TATTCTAAGC | CATGGTCAAT | 120000 |
| GCAAAAGAGT | GAGAAGGAAA | GTAGAATAAG | TTATCTAAGA | ATCAGTGGGT | GCTCTCTTTA | 120060 |
| AACTGATTTA | TCACTCCCCC | TTCCAAACTC | TCTTGAAGGT | CACTCTGCCT | CCCTTTCTAC | 120120 |
| ATAAGAACTC | CTAACTCCAA | GGGAGGAAGG | TAAGTTATTC | TTATTCCTTG | CTTAGAAAAA | 120180 |
| GAGAAAATAG | GTTTGGTAAG | CATCCGCTTT | CTGCTACCAT | TCTCTGTGTT | TCTGTGTTTT | 120240 |
| TTATAGGATC | ATTCAATTAT | TGGTTGGCTC | TTGAGAGGGA | ATGCAAGGTT | CAAGGACACA | 120300 |
| AGCCTAGATC | TTGCCTGTAT | AGAACCTCAT | GATGTTATGC | TTCTCTAAAA | TGAGGCCTGG | 120360 |
| AGGAGACATG | TTGAAAGTGA | CCCATAAATC | TGCAGTATCT | CATGTCTCTC | AATGGGGACA | 120420 |
| AGGAGTACCA | TGGGAAATAG | CATTAGGTCA | ATGACAGTAA | CAACTCCCAG | GTGAGTTGAT | 120480 |
| TTATTCTTTT | ATTTATAAAG | TTGTTAATAT | GCTACATAGT | CCCTAATTTT | GCCACAAATA | 120540 |
| GTCATTATTT | TAATTTTATA | TTTCACTATT | GATAAATGAA | GGAAAAAATG | AGTAGCAGTT | 120600 |
| AAGCAGTCCA | TAAACCTACA | TATAAAGCAA | ATTGGAGATT | TTAAAATTGA | TTCTGGATGC | 120660 |
| TTAAAATCCT | TCTCATTGAA | AAAAAATTTT | GTATTAGAAG | ATTTCAACAT | TCTTTAAACT | 120720 |
| GAGAAGCATA | ACATATAAAC | AGAAAACCAC | AGCAAAACAA | AAATGCAAAG | CTCAATAAAT | 120780 |
| GAACACAAAG | TGAACACCAT | AATAATTGCC | ACACAAGTAA | AAAAACAGAA | AATCAGCCAA | 120840 |
| CCCTCCCAGA | GCCGCTGAT | GCTTGCTTCC | AGTCACATTA | TCACTCCATC | TGCCCTAAAC | 120900 |
| ATAACCCCTA | TTTTGATTTT | CAATGCTGTA | ATTTAGTATG | CCTGTTTTTG | AAACATATAA | 120960 |
| AATGGAAATA | AAACAAATGT | AATCCTATGT | ACCTGACATA | TTTCACTCCA | GAACATTAGG | 121020 |
| TTTGAATAGA | TTCATCTGTG | TTGCTGTGTA | TAACTTTAAT | TCATTTTTAT | TGTTATGTAA | 121080 |
| TATTCCATGT | TATGAGTGCA | ACAATTTAGG | TGTCTACTGT | TGATGCATAT | TTGCTTCCCT | 121140 |
| TTTTTCAGCTA | ATATAAACAA | TACCGTGAAT | ATTCCTGTGT | ATGTGTCTTG | GTATATATAG | 121200 |

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| GAATACATAT | TTTGTGGTA | TACCTAGGAG | AGGAATTGTT | GGGTCAAATG | CTAAACTCTT | 121260 |
| TTTGAAAGTG | GTGATATTAG | GTTTACATGC | GATGAAATGA | AAATTAAAAC | CACAGTTATA | 121320 |
| AACAGCATGG | ATGAACCTCA | CAAACCTAAT | GTTGATGGAA | TCTAGCTGGG | AATTCCTGTT | 121380 |
| CTTCCATATA | CTTCCCAATA | TTTTTTTCCA | ATTAAAATTG | TTAATCTTTT | GAAGATGTTA | 121440 |
| TCCATTGTGG | CAGATGTGCA | GTATTATCTC | ATTATGGTTT | TATTTTACAT | CTTTTGCCCA | 121500 |
| TTTTTTCTTA | ATTGGATTGT | ATATCAGTCG | ACTTGGGCTG | CCATAACAAA | AATACTAGAC | 121560 |
| TAGGTAGCTT | GAACAAAAGG | AGTTTATTAC | CTCACAGTTC | TAAAGGCCAG | GCCAGAAATC | 121620 |
| CTAAATTGAG | GTGCCAAGAG | ATTCAGTTTC | TAGTGAGGGC | TCTCTTATTG | ACCTGAAGAT | 121680 |
| AGTTGCTGTC | TTAGATTGTT | TGGTGCTGAA | CAGAATACCA | GAGACCAAAT | AATTTATAAA | 121740 |
| GAATACAGAT | TTATTTCTTA | CAATTCTGGT | GGCTATAAAG | CCTATGGTCG | AGGGGCCCAC | 121800 |
| CTCTGGCAAG | GGCCTTCTTA | CTGTTATGGC | AGATGTGAGA | TGTCATCTCA | TATTCAAACC | 121860 |
| ACAGCAGTCG | CCTTTTGTGT | CCTCATGTGG | CCTCTTCATA | TGCCCATAAA | ATGACCTCAT | 121920 |
| GTCTCTTCCT | TTTCTTATAA | GGACACCAGA | TCTATCAGAC | TACTGGCCTA | CTCTTATGAC | 121980 |
| CTCATTTAAC | CTTAAATATC | TCCATAAAGT | CCCAAAATCC | CTATCTCCAA | ATATAGGCAC | 122040 |
| ATTGGGTGTT | AGAGTTTCAA | CATCAATTTT | GGGGGAACAC | AATTTAGGCC | AAAAAGATTG | 122100 |
| TGTTTTTTCT | TGTTGGTTTA | AGATAGCTGT | CTTTTGTCC | TTTTTGTCTT | TTCTTTTTTT | 122160 |
| TTGAGGTGGA | CTCTTGCTGT | GTCACCCGGG | TTGGAGTGCA | GTGGCGCTGT | CTCAGCTCAC | 122220 |
| TGCAACCTCC | ACCTCCTGGG | TTCAAGAAAT | TCTCCTCCTC | CCAAGTAGCT | GGGACTACAG | 122280 |
| GTGCATACCA | CCGCGCCCTG | CTAATTTTTG | TATTTTTGAT | AGAGACGGGG | TTTCACCATG | 122340 |
| TTGGCCAGGC | TGGTCTCAAA | CTCCTGACCT | CAGGTGATCC | ACCTGCCTCG | GCCTCCCAAA | 122400 |
| ATGCTGAGAT | TACAGGTGTG | AGCCACCAAA | CCTGGCCTGT | CTTTTCTGTT | TTAAGTTTTT | 122460 |
| AAATTTTGCT | CACGAACCTT | TTATCCATTT | TATGTGTTGC | AGGTATTTCC | TCTGTAACCT | 122520 |
| GTCTTCACTC | TGTCAGAGGC | TGGAGTGCAG | TGGCACAATC | ACAGCTCACT | GCAGCCTCCA | 122580 |
| CCTCCCAGGA | TCAAGCGATC | CTCCCATCTT | ATCCTCCTTA | GTAGGTGGGA | CTACATGTGC | 122640 |
| AGGCCACCAT | GCCCAGCTAA | TCTTTGTATT | TTTTTGTAGA | GATGGTGCTG | TTGCCCAAGT | 122700 |
| TGGTCTCAAA | CTCCTGAGCT | CAAGCAATCC | ATCAACCTTG | GCCTCCCAAA | GTGTTGGGAC | 122760 |
| TAGAGGTGTG | AGCCACCACT | GCACCCAGCC | AATGATATCT | CATGATGCAT | TAAAGTCATT | 122820 |

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| AATTTAGTGT | ACTCAAATTA | AGCACACTGC | CCTTTTATGC | ACAACCTTTT | TTGTATCTTA | 122880 |
| TTTAAAAAAT | CATTTTCTAT | TTCAAGGTCA | TGAAGATCTT | ATTTTATAAT | ACCTTCTTGT | 122940 |
| GAAATTAGTT | CTCAAGACTA | CCCTCACTTC | TAACACCAAT | TATAAGTTGG | GAGGTCTGTG | 123000 |
| GTTCCCAATC | AACCTTAGGT | TAGTAATTTG | CTAAAAGGAC | TCACAGAACT | TGCTGAAGCT | 123060 |
| GTTAGCCTCA | TGGTTACAAT | TTATTATAGG | ATATATAGCT | TATTATGTCA | TTCCAATGCA | 123120 |
| ATGTAAAATT | ATACAACACT | TTTTAAAAAG | ATTTTAGCAT | TTGACCCAAC | AATTTCACTC | 123180 |
| TGAGGTATAC | AAACAGCAGA | TATGTGTGCA | CATATATACC | AAGACACATA | CACAGCAAAA | 123240 |
| TTCATTGTTT | GTAATAGTTG | AAAAGGGGAA | ACAACTCAAG | GAATAAAGAT | TAAAATCAGC | 123300 |
| TGAGAAAAGA | AACACACAAG | GCAGTATTAT | GGATCGAATT | GTATGCAGAT | CTCCCTTGCC | 123360 |
| CCCAGAAGAT | ATGTTTAAAG | TCCCAACTCC | CAGTACCTCA | GAATTGTGGC | CTTATTTGGA | 123420 |
| AATAGGATAG | TTGCAGATAT | AATTAGTTAA | GATGAGGTTA | TAGTACAGTA | TGATGGGCTG | 123480 |
| GTGACTTAGA | AGAAGTAGTA | TATATATATT | TTTTAATAGA | ACTAGTATTC | TTCTAAGGTG | 123540 |
| GTCACGTGAA | GACAGACACA | CACAGGCAGA | GACTGAGGTT | ATGCAGCTGC | AGGTCAAGGA | 123600 |
| ATGTCAAAGG | TTGCCAGCAA | GTACGAGAAG | CTAGGAAGAG | TCAAGGAAGG | ATTTTCCTAC | 123660 |
| AGGCTTCAGT | GGAAGCATAG | ATCTAATGAT | ACCTTCATGT | CAGATTTCTA | GCTTCCAGAA | 123720 |
| CTACAAGAGA | ATATATTTGT | TGTTTTAAGC | CACCCTAGCT | TCTAGCTCTT | TGTTACAGCA | 123780 |
| GCCCTAGGAA | ACTAATATAG | GCACAATCCA | GGCAAGTTCC | AAATATGAGC | TTCCAGTTGT | 123840 |
| CCTCTCCCAG | TAATATGAAC | AGTATTACTT | TCCCAGCATT | AATGTGTGAC | AATACACATG | 123900 |
| ACGTACAGAG | CAGTCCCCAC | TTATGCACAA | AACATATGTT | CCAGGACCTC | CAGTGGATGT | 123960 |
| CTGAAACCAT | GGATAGTACT | GAACCTCTATA | TAGCTGTTTT | TTCCTATACA | GACACAGCTA | 124020 |
| TGATAAGGCT | TAATTTATAA | ATTAGGCACA | GTAAGAGATT | AATAACAATA | AATTAGAATA | 124080 |
| ATTGTTAAGA | ATATACTGTA | TAAAAGTTAG | GTGAATGTTT | ATTTCTGAAA | TTTACCGTTT | 124140 |
| ATTATTTTTG | GACTGCAGTA | GACCACAGGA | ACTAAAACCA | TGTAGAAACC | GTATACAAGA | 124200 |
| GAACTGTATT | TCACCCGAGC | CTCAGTGTGC | AGTTTTAATG | GCCTGCCATG | GTTGACTGCT | 124260 |
| CACATGGCCG | ATCTTTTAGT | CTACCTCCAC | AGGTAGAGCT | GATACTGTGT | GGCTCAAAGT | 124320 |
| TCCTATTATA | AATCACATTG | TTGACTGTGT | GGTGGTCAAA | ACCTCCAGGT | AAACAAAGAC | 124380 |
| ACACTTATCA | GTGAGAACAT | TTCAAGGGTC | TAAAATTCAT | CTCCCAGTAG | CTGAGGGCAA | 124440 |

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| AGGCTAGACC | TCTTTTTGGG | TAAGATAAAT | TTTTTACCAT | ATACTTTATT | TTGCTTTTCA | 124500 |
| TGTTTAACTT | TATTTTGCTT | TTCATGTTAG | TTCCCCTGGA | ATTGTTTTTT | GTGTATAGTG | 124560 |
| TGAAGTAGGG | GGTCAAGTTT | CTTTTTTTTT | CCTTTTTGTT | CTTTTTCTGT | TTAAAAGGCT | 124620 |
| ATACAATTGT | CCCATGCCAT | TTATTTACAA | GAGTCCTTTC | ACCATTGTTG | TATGGTGCCA | 124680 |
| CTTTAGATGT | AAATCAATGT | CCATATTTGT | TTGAGCCTGT | TCCATTCGTT | TGTCTATTTT | 124740 |
| TGGACAACAC | TGCCCTGATT | ATTGTCATTT | TATCAGTTTT | GATATTTAAT | AAAGCAACAG | 124800 |
| ATTTGTTTAT | TTTGGGCCCT | TGGATTTGTG | TATTAAATTT | GAACCCTGTT | TGTCAATTTT | 124860 |
| TATAATAAAG | CTTATTGGGA | ATCTGATTAG | GATTACAATG | GTTTTGTAGA | TCAGTTTGGG | 124920 |
| GACAATTAAT | ACCTTTAAAA | TATTGACCGC | TTCAACTGTA | AATATACTCC | TCCATTATTT | 124980 |
| AGTTTTCTTG | TTTAATTTAT | CTGAGTAATA | CATTATAGTT | TTCTTCGTAG | AAGTCAGATA | 125040 |
| CGTAGAAAAT | TCAAAGCCCA | AGTGCAATAG | CTCATGTCTG | TAATACCAGC | ACTTTGGGAG | 125100 |
| GCCGATGTGG | GTGGATCACC | TGAGGTCAGG | AGTTTGAGAC | CAGACTGGCC | AACATGGTGA | 125160 |
| AACCTCATCT | CTAGTAAAAA | TACAAAAATT | AGCTGGGTGT | GGTGGCGGGC | ACCTGTAATC | 125220 |
| CCAGCTAATC | AGGAGACTGA | GGCAGGAGAA | TCGCTTGAAC | CCAGGAGGCA | GAGGTTGCAG | 125280 |
| TGAGCCAAGT | TCCTGTCACT | GCACCCCACT | CTGGGCGACA | GAGCGAGACT | TCGTCTCAAA | 125340 |
| AAAACAAAAA | AAAGAACATT | CAAATAATCA | ATGTAGATAA | TTCAAATAAC | TAAAAAATGA | 125400 |
| ACAGTTATTA | AAATATCAGG | ATATAAAAGC | AAAAAAATCA | ATAACCTCCA | TATATACAAA | 125460 |
| ATGGCCAGTT | AGAGAAAAAA | AAAAGAATAG | GCGAGACTTA | AAAAGGCTGG | GAATCTCCCT | 125520 |
| GAAAATCTTT | GAGAGCCTTG | GCCCTGCCCT | CAGGGATTTT | TCTGGCTTCA | TGCCCAGATA | 125580 |
| CGGGTACAGT | TCCTTGTTTA | AAAAAATTTT | GCTCCATCAA | TCAACAAGGG | GCTCCTTCCT | 125640 |
| CAGAGCACAA | GGACCTCCAT | AACACCGGAC | ACTAGATGTC | TAAGGGACAC | CTCTTAAGGA | 125700 |
| AGTTAGACTT | CCAAAGAATG | GTGTTTCCTC | TGTCCCCAAA | CTCTGGAAct | CACAGCACAA | 125760 |
| CTGCTCCTTG | GAGTTCGGTT | TCAAATCTAC | AAGGCTGTCA | TGGAGGTTGC | AGACCAAGTC | 125820 |
| CGTGGCCTCA | GTGTCCGGAT | GTACGGTGGC | CTTGGCACCT | GAATGTGAGA | ACATGACCTC | 125880 |
| CCTGAAACCA | CCACAAGTAT | TGTTTCATGT | TATGTATGTT | TTTTCTTATC | TGAAATTCCT | 125940 |
| TTTCTTTAAA | AATTCAAATT | ACATATTTTG | CAAGCCCCTG | AACAAGCTTC | ATGAGCATTT | 126000 |
| ATTGAACCCA | CAGCTTTTAA | AACCTACTGA | ACACTTTGCT | CTATGTTGTC | ATTCACTATC | 126060 |

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| CACCAATTAT | TTAATTATTG | ATCAATATTG | TTTCCTTAGT | GTTGGGATCA | TTTATGCATG | 126120 |
| TATTTCTTTT | ATATTGCATA | TTTTATATTT | CTGCATTACA | GTTATTACAT | ATTACTTTTG | 126180 |
| CTACAGTAAT | AGTTCAAAAG | TGTACATCCA | AAATTTAGCT | GTGAAGTGGA | TGGACTGAGG | 126240 |
| CAGAACTGGA | GGCAAGAAAA | TGTCACAGTA | ATTCTAAAAA | AGATGATGTA | CAATTAGAGC | 126300 |
| AAGAGAGTAG | CACTGAAATT | GAAGAAAAAT | AGATGCGTTT | GAGAGAAAAT | TAGGAGGTAG | 126360 |
| AATCAACAGA | TTAGATGTAG | GGATGAGAAG | GGTCAAAGAT | GACACTAGGG | TTTTTAACTG | 126420 |
| GAGCAAGTAG | GTAGACAGAA | CATTTCTTCC | TGAAAGGGCA | GGTCAGATCA | TGTGTTGTCT | 126480 |
| CAAAGGGCAT | GAAGAGTAGA | AAGCCTGGGA | CAGATCCTGA | GATGACCAAT | ACCCATGGTG | 126540 |
| CAGGGAGAGG | GAGGGAGATC | TGCTAAAAAG | ACTGCAAATG | TCAGGATAGT | AGAAAATCAT | 126600 |
| GAGTGTGTGA | TGTCCTGGAA | GTTGAGACAG | TATCACATTT | GAGAACATTT | AAATTGGTAA | 126660 |
| CTCTGACAAA | AAGCTGGAGG | CCAAGTGTGA | ATGCCCATGA | GAGTGAGAAG | CTCCCACACT | 126720 |
| TTTGTGGGCA | TCAGAAAGCC | CACCAGGTTT | CTGCAGTGAA | GATCTGAGAA | GGATCCTCTT | 126780 |
| GTGGCTTTGG | CAGGGAGAGA | AGAATTATTA | TGAAATACAC | CCCAGAACCT | TCTTCAAAAC | 126840 |
| AAAGGCCTAC | TCTCAAGGGG | AAAACATTTT | GCCAGAGTCT | TATCCCAGCT | GGGAGAAGGT | 126900 |
| AATTCTTCCC | ACTGCAGCCT | CATCTAGGCT | TTCTGTCTCA | CTTAAGGGAA | GAAAATTAGT | 126960 |
| CAACAGGGAT | CAGAGCTTCA | TGAAAATAAA | TTGGAAATGG | TGCAGCCAGG | AAAGGAGCAA | 127020 |
| AGGTCTGAGG | AGGAGGAGAA | GGAGGAAGAG | GAGTTGTATC | ATTATAAATA | CTTGAGGAAG | 127080 |
| AGGAGGAGAA | GGAGGAGGAG | GAGGAGTTGT | ATCATTATAA | ACACTTGAGG | AAGAGGAGGA | 127140 |
| GGAGAAGGAG | GAGGAGGAGT | TGTATCATT | TAAACACTTG | AGGAAGAGGA | GGAGGAGAAG | 127200 |
| GAGGAGGAGG | AGGAGTTGTA | TCATTATAAA | CACTTGTGAC | GGTCCCAGCC | CCAAGATATA | 127260 |
| GGCATGCTAA | TAAACTGAGG | CTTAACACTT | TGACTACAGA | ATGCTGCTTC | TCCCTAACAC | 127320 |
| CATCAAGGCT | CCAAGTGAAT | AACAATGAAT | TATGAATGAA | AGAGCTGTAA | GGAGAGACAA | 127380 |
| AAGTTAGAAT | GAGACAAGTA | TTGTTATCTA | GAGATGCCAA | GAAGGCAAGG | AAGATAACTA | 127440 |
| AAAAGGCACT | CTGGATTTAG | AAATAGGAAG | TCATTAGTGA | CCTTGTAAT | AATGGAGCCA | 127500 |
| GAGGAATACC | AAGGGCAGAA | GCCTCACTAT | AGTGTGTTGC | ACCTGTCAGA | GGTCAGGAGG | 127560 |
| TGTAAGTAC | TCTCCACAG | TGTGGCTTTG | GAAGAGAGAA | GTCAGCAGCT | GCATGGAGAT | 127620 |
| TTGGGAGAGG | GAAAGCTTTT | TTTTTTTTTT | TTTAATTGGA | AAAGACTGAG | CTATGTGTAA | 127680 |

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| ATAGAATAAG | ACAGGAAGAG | TGTAGACACA | GGAAAGAGGG | CAGACAAAAA | CAAGTGCACA | 127740 |
| GTTATCTAAG | GGAAACAATG | GGATCAAGCT | GCAAGTATAT | AAACTTGTCT | TGATAGAAGA | 127800 |
| ATCCTTGATC | TGGTTTATTC | AGTGTTTGGT | CCAAACCCAC | ATCCCTGTTC | TGCCTGTCTC | 127860 |
| TGACTTGCTC | TGTGCCCCAG | AAGCCCAGCT | TCTACAGATA | GCATTAGCTG | GGCAGCCCTG | 127920 |
| CCCTCTTGCA | ACAGCTGGAT | TTGGCCAGTG | ATCAGCCCAG | CAGGAATGTA | GATGGCAAAG | 127980 |
| GAGAGAGAGG | TTAGTGTA CT | TATTCCCTGC | ATCACCCCCC | TGCTTGGTGG | GCAGCTCTTC | 128040 |
| CTCCACAGTC | CCAGCTCTGG | CCTAGCTCTG | GTTACAGGTT | CCCTCCCATT | GCCTCTTCAG | 128100 |
| ATTTAAAGGT | GTGTCTGTCA | GGGTATAACT | GGGAGCTAGA | AATTGCACTG | AAATTGAACA | 128160 |
| AAGAATTTTA | TGGGAATGGT | TGTTAACTAG | TTATAAGAGG | ACTGAAAATG | GAAAAGTGGA | 128220 |
| CAAACGTATC | AGAGATAGTA | ATGACAGAAA | GCAACTACCA | CCTCCAGGTT | TAGGAGAACA | 128280 |
| AGGAAAAGAT | TCTTTGAAGA | GATCCCCAGA | ACTGGGACCT | CTGAGGAGTG | TATGCTGGAC | 128340 |
| CACTGATGAT | GATATGTCTG | TAGATAGAGG | CATGATGAGG | CTGATTTTAG | GAGCATGGAA | 128400 |
| GATCTCCAAA | CTGAAGCCAA | CTGCTGTTAC | TGGATTCAAC | TGCCACTGCC | AGGTTGAAGA | 128460 |
| ACCCATTCTG | TGAGGATGTC | AACAAACAAA | GTGGGAAATC | TTTTACATC | CTTCCAGCCC | 128520 |
| TCTAGTCTTC | CTCCAGTGCT | TTCTATTGGT | AGGGTTTGGG | GAGGTGGCTA | GCAAAGCGGT | 128580 |
| ATTGGAAAAG | ATAGAAGAGA | CTAAATCTTC | ATAACCAGCA | CAGGGTGACA | CTGGATCACT | 128640 |
| ACTGTTGCTG | ATCTTGGGCT | GCCTCATATC | CCCTGTTCTT | CCCATTAGCC | CTGTCACAAC | 128700 |
| TTTGTAGATA | TCCCTTCATT | ATATGCCCTT | CATATATTCT | TTTGTTTAA | CTTTTTCTGT | 128760 |
| TGGAATCCTA | ATATGGCACT | CCTCCATTTT | TCAGGACCAA | AAGAGTATAA | AAGATTATCT | 128820 |
| TTTACCAAAA | AAAAGACAAA | AAACTGATCT | AATTCCTGAT | TTGATCATT | CACAATCTAT | 128880 |
| ACATGTATCA | AAATATCACA | TAGTACCCCA | TAAATATATA | CAACTGTGTC | CATTAAAAAT | 128940 |
| AAAAATTAAA | GAAAAGATGG | TAAATATAGC | TCTGTCAGGC | AGTGGAGGTT | TTACCACGAT | 129000 |
| GGCTGTTATT | TCCCCCATGA | AGGGGGGAGT | GAGGGAGCAG | CTGAAAGTAG | GTGCTTATAG | 129060 |
| GGGTATAGAG | GGGCTCAAAG | CTTTGAGAGA | GGAGAATGTC | TGAAAGAGCT | GCCAAATAGC | 129120 |
| ATGCAGGTCC | CATGGGGGCA | GAGCCTCTGC | TCATTACCA | GTGCCTCTTC | AATATCTACA | 129180 |
| CTTAAGCCTA | ACACAAAGTG | TGTGCTTAAT | AAGTATTTGC | TGAGTATGTA | AAGTGGAAC | 129240 |
| AGAACCAATC | TGGCAAACCTT | TGTAGGACTG | GTGGGCAATG | AAGATCAGTC | AGGTAAAATC | 129300 |

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| TGTGGATATA | AATTTATATT | GATCAAAAAA | TTCAAGGTTA | GGTGTTTTTC | TTCAGTCATG | 129360 |
| CTCAACGATG | CTTCAGCCAT | GCTCAACTCT | TCTGTAGCCA | CAGAAAAAAG | TTTACCCATA | 129420 |
| ATCGAGCTGT | GTCTGTGTCT | GAATAATGAA | AAGACCATGA | TGCAAGGGAG | TTGGAGACAC | 129480 |
| AGAAACAGTG | TTTGAAGTAA | TGGGTAATGG | AAGCATGCTA | CCAGGGAAAG | GAAAGAAGTG | 129540 |
| GCAATAGGAA | GGAACAGAGA | TCTGTGGTCC | TATGTCCCCT | GAGCATATTC | ACATGTTAAA | 129600 |
| GCTAATTCAG | TTTTCAATCA | TCATTAAAAT | TTTGTTCCTA | AATATATGGC | CATTATTTTC | 129660 |
| CACAACCACA | CTAAACTTTT | ATTACCTCTG | GCAAGTGACT | ATGCAAGTAA | CTAAGAGCAA | 129720 |
| AAATATCCAC | AACTACCATT | TGAGCTATCA | ATTTAGGGAA | AGTCATCTGG | CTATAATCTA | 129780 |
| AGTGACCCTC | CACTGAATGT | CAGTATCTTT | GCATATGTGA | TTTAAATCTG | GGCCTTCGCA | 129840 |
| ACACCATGAA | CTGTTCTTGT | CTTGAATATC | CAGATTGAAG | GAAATAATCT | GAGTAGTTAC | 129900 |
| GAGTCCTGAA | GCTAGAAAAG | TGGAAACCCC | ATTTGCTCAT | CAGAAAGCCT | TAGAGCTTGG | 129960 |
| GCGCTGGCGG | GTCTGTCTC | ACCGGGACAG | AGGGGCTCTT | TCCTCCCCAT | CTGATAGTCT | 130020 |
| GATAACTAGA | GAAGCCGGCC | AACTTATTCT | CCAAGAAGGA | GCCATCTTAG | TTCCTCCTGA | 130080 |
| AATGTTCATA | TTTAGAAATT | ATTGTTTGTC | AGTAATTTAA | CCCCTTAATG | GGCTTGCCTT | 130140 |
| GTGGTCCATA | CCACTGAGTG | CAGAGCTTGC | CTGGAAGAAT | TGTGAGGGCC | ATTCCATCTT | 130200 |
| CCAGGCAGTA | GAGTTCAGTA | CTTCTTTAAA | ATTGCTGCTG | AACTCTGTAT | TTGAAAAGAA | 130260 |
| AGAATCATTT | GGGTGTGGTA | GCTCACACCT | GTAATCCTAG | CGCTTTGGGA | GGCTGAGGTG | 130320 |
| GGAGGATCAT | TTGATGCCAG | GAGGACCACT | TGAGACCACC | CTGGGTAACA | TAGCAAGACC | 130380 |
| CTGTCTTTAG | AAAAAAAAAA | TACAATAAAA | TAAATACAAT | AAAAATAAAA | GCAAAAAGAA | 130440 |
| AGAGTCCATC | TTAGGGACAG | ACTGTAACTA | CTCACTGGAG | CTTACCTTTA | CATAGTTCAG | 130500 |
| GATCAATTAT | AATAAAACAC | TTTTGTGCAG | ATTCAATAGG | ATTATTTTAA | TCCCCATCAT | 130560 |
| CTCTCTGAGT | TTCCAGTCAG | TTTCTCTGCA | TGTAGACACC | CTTCTCCAGC | CCACCATTGT | 130620 |
| CTCTCCTCCT | ATAGCTCCAC | CAACAAATCA | GAACTTTTTC | TAAGTGCACC | TAGTGCACCT | 130680 |
| AGAGTCTACT | CCAGAATGCT | CATGGAGAAA | GTTTCTGAAA | GGTAAACTC | TGAATGATAT | 130740 |
| TTGTAGCTAA | AGGGAGACTT | GCTAGAGACA | ATAAGCTAAT | AGTTGTAGAC | TTCAGTAGAA | 130800 |
| GAGGAATGAC | ACTGCAATGT | CAGGGTGCAG | GACTTCAAGA | GGGCAGAGTA | TGGAAACCCA | 130860 |
| ATGGGAAAAA | TGCTCACCAG | GAACATGAAG | AGAAGGAATT | ACGTGTAAGG | ATTTCTCAAT | 130920 |

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| GTGTTCCCAA | ATTTGCCCAG | CAGAGGGAGG | CCTCGGGTTG | ATGGCAGGCT | GACCACACAA | 130980 |
| TTAAAGAAGG | CTGAACCTGG | GGGCTTTTAA | CAACCATCGT | GGGCTCTACT | GTAAGCATTT | 131040 |
| AGAAAAAGAA | AGTTATCCAT | TCAAAAATAT | ATATATTTTT | AAACTTCAGA | ACAAAATTAT | 131100 |
| GAAGAGCTAT | ATTTACTTTT | CTACATTCTA | ATTTTTATAA | ATCTGAGTAT | ATTTTGCATA | 131160 |
| TATTGTTATA | GTACATATTC | AATTTTGTAT | TTTGCTGTTT | TCACTTAACC | ATTTTACTA | 131220 |
| GATTACTCTG | TGTTCATAAT | AATCACTTTT | TTAAAACTTT | TATTTTTATT | TATTTATTTT | 131280 |
| TTTTTTTGAGT | CAGAGTCACA | CTCTGTCGCC | CAGGCTGGAG | TGCAGTGGCG | TGATCTTGGC | 131340 |
| TTACTGCAAC | TTCCACCTCC | TGGATTCAAG | CAGTTCTCCT | GCCTTAGCCT | CCTGAGCAGC | 131400 |
| TGGGATTACA | GGTGTGCACC | ACCAAGCCCG | GCTAATTTTT | GTATTTTTAG | TAAAGACGGG | 131460 |
| GTTTCACCAT | GTTGGTCAGG | CTGGTCTCCA | ACTCCTGACC | TCATGATCTG | CCCACCTTGG | 131520 |
| CCTCCCAAAG | TGCTGGGATA | ATCACTTTTT | ATGCTGCATA | ATTCTTCAGA | TTTGTCAGTA | 131580 |
| CGACTGTATT | TACACTCATT | TGTTTTATTA | GAAAGAATTC | CAGAATATTT | TGGCTGCCCT | 131640 |
| AATTAATTTT | ACAATTAATA | TGATTTTGAA | ATTGGGTATT | GGCTCCTTCT | GAATTGGTTT | 131700 |
| ATTAAAATAT | ATTCTAATGT | AATTTATGAC | ATTTTCATCA | TATTAGCATA | TTTATTCTGT | 131760 |
| TAGAATTTCA | TAATTTATAA | AGCTACAAAC | TGTATGTGAT | ATAGCTTGTA | ACTTTATCTC | 131820 |
| ATAACTTTAT | GCAGTTACAA | GTAGAAATAA | AATGTTCCCC | TCAAGATTGC | TTAAAATTTT | 131880 |
| ATTATAAACA | AGTGTAAGAA | ACAAAATCAC | TAAACACTC | CCTCTTTTTT | CCCCCAAAT | 131940 |
| GCATGTTTCC | ATTTTAAACAG | AACCCGTATT | TAATCAGCAG | ATTTCTATGG | TGGCTAGATT | 132000 |
| TGTAGACTAA | ATATTAAAG | TCCCAAAGCA | AATGCATTTT | TCTCTTAAAT | TTTACTGACT | 132060 |
| TTTTTTTTTT | TTCTTTTTCT | GAGACGGAGT | CTTGCTCTGT | CGCCAGGCT | GGAATGCAGT | 132120 |
| GGCACAATCT | CGGCTCACTG | CAACCTCCGC | CTCCCGGATT | CACGCCATTC | TCCTGCCTCA | 132180 |
| ACCTCCCGAG | TAGCTGGGAC | CACAGGCGCC | CGCCACCACG | CCCAGCTAAT | TTTTTGTATT | 132240 |
| TTTAGTAGAG | ACAGGGTTTC | ACCGTGTTAG | CCGGGATGGT | CTCGATCTCC | TGACCTCATG | 132300 |
| ATCTGCCCCAC | CTCAGCCTCC | CAAAGTGCTA | GGATCACAGG | CATGAGCCAC | CGCGCCCCGC | 132360 |
| CTACTGACTT | TTATCCAAAG | AAAATATAAG | AGCTCTTCAT | CATAACGTAT | GTTTCTTGCT | 132420 |
| CTTGTTATTA | AATATGACAC | ATTTAGACTT | AAACTGATTT | GAAGGTTTAT | GACATTGTTT | 132480 |
| AAGTTATTAC | ATAATTAATT | CATAAAGATA | ATGACTAGTT | TGAACACTG | ACAGCTCACA | 132540 |

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| CATCATCAGT | TGAACAGCAG | AAAGCTTACT | AAGCTACTTT | CTTATGTTTC | TGTCTCCCAG | 132600 |
| CTACTAAAAG | AAACGAAACC | CTTCCAGGTG | TTAAGGCAAA | ACTTTCCTCC | CCCTTCTTTC | 132660 |
| TATAAATCTG | ATTCCATGTT | AGTGAAATTT | CTACTGATGG | CTTTGGTTTC | CTCTATAGTA | 132720 |
| GAATAGAGAT | CCTATGGCAA | AAGTCATGTC | TGACATGGTA | GCAAATAGAA | ATGGGGAAAA | 132780 |
| GGAAGGTCTG | CAAGAGCCAA | TGTGGGAAAT | GGGGAGAGGA | CTGACTACAA | AAACCCAGCA | 132840 |
| GGAATTCCAG | AAGAAAACCTC | CTCAGGACGG | GCACATTGGC | TCATGCCTGT | AATCCCAGTA | 132900 |
| CTTTGGGAGG | CCGAGGTGGG | CAGATCACTT | GAGTCCAGGA | GTTTGAGACC | AGCCTGGTCA | 132960 |
| ACATGGCGAA | ACCTCATCTC | TACAAAAAAT | AAAAAAATTT | GTCAGGCGTG | GTGGCATGCA | 133020 |
| CCTGTAGTCC | CAGCTACTCA | AGAGACTTAA | GTGGGAGAAT | CACTCGAGCC | TTGGAGGTGG | 133080 |
| AGGTTGGTGA | GCCGAGATCA | CGCCACTGCA | TTCCAGCCTG | GGCGACAAAG | TGAGACGCCA | 133140 |
| TCTCAATCAA | TCAGTCTCCT | CGAAAAGCAA | CATTATGGAG | AGACAGGATT | CCGTCAAGGC | 133200 |
| CTGGGGCACA | CAGGAAAATA | TTAAGGCAGA | AGAGAGTTTC | CTCCCCACAC | CACACCGTAT | 133260 |
| CCCACAGGCA | CTGCGGATGT | GCATATGCAA | GAGGGGTTGA | TCCTAAGAAT | TTAGAGTCAC | 133320 |
| AGAGGAGGAG | GCACCAAGCA | GACTGTGGAG | AAAGTCATGA | CCAGAAAGGG | ACAGAATGTA | 133380 |
| AAGCTTCAGC | TGATTATCTG | GCCTCAGGGA | TTCCAGAGGA | ACTGGTCCCA | ATGGTCTCCT | 133440 |
| GGTGATGTAG | GTTCTTAGGT | TTCTTTTACA | GGGGTTTTCT | GGGAGATCGT | TGACCCAGTT | 133500 |
| AGCATTCAAG | CAACTTCCAC | CCTGCACTTT | TATTCTTTCC | CCTTCACCTG | CTTAGGTTTT | 133560 |
| ATCTGTCCAG | GAAATAATAA | TAAAATTATT | GAGCCCTGGA | CATGTACCTG | TAAAGCTCCT | 133620 |
| TAAAGATGAT | GCCTTCTAAC | TCCTCATTCA | ACAGATACAA | AAACATTACA | ATAAAATGAC | 133680 |
| TCATGCAAGA | CACCCAGGTA | GTTTATAGCA | GCTAATAAAA | ACAGAATAAC | TATAAAATAT | 133740 |
| GGTAAGTTTA | TAAAAGTTAC | ATTGAGTATA | CTTTATAAGA | ACTGCTTATT | GAGTTTGCCT | 133800 |
| AATAACCACA | CAGCACAAATA | ATAATATGTA | TATATTTTTTA | AATATGTGTA | AATATGTGTA | 133860 |
| ACACAAACTT | GTAGAAGGTA | TATCTGAGTA | CAACCCTATT | CTGTTTGGTT | ACCTTTTCTA | 133920 |
| GTTCAATTATG | TAAGTGGCAT | AGCTACCTAA | GGACTTATGC | TTATAAATGT | TACTCAAAAA | 133980 |
| AATACAGAGG | ACATATGTGG | ATAGATAATG | GAAGAGATAA | GATAGGTAGG | TTGAAGGGTT | 134040 |
| GGGCTGCCCC | TCCACACCTG | TGGTTGTTTC | TCGTTAGGTG | GAATGAGAGA | CTTGGAAGAG | 134100 |
| AAAGAGACAC | AGAGACAAAG | TATAGAGAAA | GAAAAAAGG | GGTCCAGGGG | ACCGGTGTTC | 134160 |

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| AGCATACGGA | GGATCCCACC | GGCCTCTGAG | TTCCCTTAGT | ATTTATTGAT | CATTATTGGG | 134220 |
| TGTTTCTCGG | AGAGGGGGAT | GTGGCAGGGT | CAAAGGATAA | TAGTGGAGAG | AAGGTCAGCA | 134280 |
| GGTAAACACG | TGAACAAAGG | TCTCTGCATC | ATAAACAAGG | TAAAGAATTA | AGTGCTGTGC | 134340 |
| TTTAGATATG | CATACACATA | AACATCTCAA | TGACTTGAAG | AGCAGTATTG | CTGCCAGCAT | 134400 |
| GTCCACCTC | CAGCCCTAAG | GCAGTTTTC | CCTATCTCAG | TAGATGGAAT | ATACAATCGG | 134460 |
| GTTTTACACT | GAGACATTCC | ATTGCCCAGG | GACGAGCAGG | AGACAGATGC | CTTCCTCTTG | 134520 |
| TCTCAACTGC | AAAGAGGCGT | TCCTTCCTCT | TTTACTAATC | CTCCTCAGCA | CAGACCCTTT | 134580 |
| ACGGGTGTGC | GGCTGGGGGA | CGGTCAGGTC | TTTCCCTTCC | CACGAGGCCA | CATTTTCAGAC | 134640 |
| TATCACATGG | GGAGAAACCT | TGGACAATAC | CTGGCTTTCC | TAGGCAGAGG | TCCCTGTGGC | 134700 |
| CTTCCTCAGT | GTTTTGTGTC | CCTGAGTACT | TGAGATTAGG | GAGTGGAGAT | GACTCTTAAC | 134760 |
| GAGCATGCTG | CCTTCAAGCA | TTTCTTTAAC | AAAGCACATC | TTGCACAGCC | CTTAATCCAT | 134820 |
| TTAACCTGA | GTTGACACAG | CATATGTCTC | AGGGAGCACA | GGGTTGGGGC | TAGGGTTAGA | 134880 |
| TTAACAGCAT | CTCAAGGCAG | AAGAATTTTT | CTTAGTACAG | AACAAAATGG | AGTCTCCTAT | 134940 |
| GTCTACTTCT | TTCTACACAG | ACACAGTAAC | AATGTGATCT | CTCTCTCTTT | TCCCCACAGG | 135000 |
| AGGTGATGGC | CGGAAGAACA | TGGCAGAGGG | CAAAACAAAA | CAGCATTGGG | AACAAGCTCT | 135060 |
| GTTTAAAAGG | AGACTTGTGA | ACAGCAAAGA | GTAGAAAGGG | TTCTCTTACA | ACTGAAGCCC | 135120 |
| ATGGAAGACA | AATGTGTACT | GCGTGAGTTT | TAAGGCAATA | GGAGTAGTGG | GACCTAGGGC | 135180 |
| ACACCAGAGA | GCATATTAAC | TCTCAAACCT | TTAAAAACAT | TATATCTGCT | GGACACAGTG | 135240 |
| GCTCACACCT | TAATCCTACA | ACTTTGGGAG | GCCGAGGCGG | GCGGGTGTAG | CTTGAGCCCA | 135300 |
| GGAGTTCGAG | ACCAACCTGG | GCAACATGGC | AAAATCCCGT | CCCTACAAAA | CAAACAAACA | 135360 |
| AAAAACAAAA | TTAGCCAGGC | ACGGTGATGC | GTACCTGTGG | TCCCAGCTAC | TCAGAGGCTG | 135420 |
| AGGTGGGAGG | ATCGCTTGAG | CCCCGGGAGG | TTAAGGCTGC | AGTGAGCCAT | GATAATGCCA | 135480 |
| CTGCATCTCA | GCCTGGGCAA | CAGAGGGAGA | ACCTGTCTCA | AAACAAAAAC | AAAAACACAC | 135540 |
| CATACCCAAC | CACAATGCAT | CTGTCTTAAG | TACCAGTACC | ACACCCCTCT | ACTCACTACT | 135600 |
| AAATAGGTGA | GTTCCAATC | CCTGGTAGCA | GGTTTAAGCA | TGTTATATTA | AAGGTCTTAG | 135660 |
| GCTAGTGACT | CATTCACTCA | TTAAACAAAT | ACTTATTGTG | CATCTACTAT | AAACTAAGTA | 135720 |
| CTGTGCTAGG | TACAAAAGCA | AATAATCTAA | GCTCTATAAA | CTTTACTTTC | TTCATCAACA | 135780 |

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| AAATGGAGAT | GTTTTAGGCA | TCTACTCATC | ATTCTGAGCT | CCATCTTTTG | TGACTGTAGT | 135840 |
| TGGCAGAGCT | TTTTATCAGT | TTCTCTAAAT | AGCTCTACCA | GTCCCTGGTG | GATGCTGGCA | 135900 |
| TGCCCCAAGG | ATCCATCCTG | ATGGCCCTGT | CTGCTTACCT | TACCTGCCTG | CCTTTGCAGC | 135960 |
| ACCGCTCTGC | TCTTCTGCAG | GACTTCCCTT | ATCCTTTGGG | GTCTTGCTGC | TCTTAGGCTG | 136020 |
| CTCTGCTTGT | TTTGATCTGC | TTTGCATCAC | ATGTATGTAA | AGGTCCTTTC | CTTATTTACC | 136080 |
| CATGACCAAG | GTATTATGAG | ATTCTGGAAT | TTCCCCAAAC | CACATTGATT | GCTGGGAGAA | 136140 |
| TAGAAGAAGT | GGATTACAAG | TGGAACCTAG | AAGGGGAGTA | TTCGAGAAGA | CGTCTCTGCA | 136200 |
| AATCCATTTA | GAGAGACCTT | TCTCCAGTGG | TGACTCAAAG | ATGCAGCTCC | TTTCATCCTG | 136260 |
| TGGCTTGGCC | ATCTTCAGCA | CATGGCTCCC | AAGGATGTCC | TCAGGATGGT | CTCTAATCCA | 136320 |
| AGGAGCCTGA | AGAGAAAAAA | AGGCATGGAG | TATTGTGAGT | GGTAGGTGGT | TATGGACCAG | 136380 |
| TTATGGAAGA | ATACACATCA | CTTTTGCCCA | CCTTCTACTA | ACCAGAACTC | ACACAGCCAT | 136440 |
| AGACACTGAC | AAGTAGGACT | TAACAAGAAT | CTAATTTTGA | GTCTAGGAAT | ACGACTGTAG | 136500 |
| CAAATATTTA | ACAGCTTCAA | ACACAGGTGC | ATTGCTATCA | CTATGCTTGG | CCCAGGCCTG | 136560 |
| TCTCCCTTTC | CTGCCATGTC | ACAGGGGCCA | GCATTTATGT | CTAGATTGGG | TTGGTTGGGA | 136620 |
| TATTAAGACA | ATAATGAACC | AATACAACAT | CTTGAGCATA | AAACCAACTG | ATACAATGAT | 136680 |
| GTACAAGTCA | GATGATTCTG | ATGATTATGA | ATTATGTCAA | TAAAAGAAAT | GTGATAACTA | 136740 |
| AGGTAATTTT | TGTTTTGGCA | AATTTTTGTT | TGTTTCATGAC | AGGATGAAAT | CCTGTCATTT | 136800 |
| GTAGCAACAT | GGATGGAATT | GCAGGATACT | ACATTAAGTG | AAATAAGCCA | GAAACAGAAA | 136860 |
| GTTAAACACC | ACATGTTCTC | ACTTATATGC | AGAAGCTAGC | TAACTAAGTA | AATAAGTTTA | 136920 |
| TCTCATTGAA | GTAAAAAGTA | CAACAGAGAT | TACTAGAGGC | TGGGAATGGT | AGGGGAAAGA | 136980 |
| GATGATAAAG | AGAGATTCGT | TAAAATAAGT | TACAGCTAGA | TAAGAGCAAT | CAGTTCTAGT | 137040 |
| GTTCTATTTG | TACTACAGAA | TGGCAATAGT | TAACAGTAAT | AAATAATTTT | AAAGAGCTAG | 137100 |
| AAAAGAGGAC | ATTGAATGTT | TCCAACACAA | AGAAATGAGA | AATGCTTGAA | ATAATGGATA | 137160 |
| TTCTAATTAA | TTACCCTGAT | CTGATCACTA | TACACAGTAT | GTATAAAAAT | AACACTATGG | 137220 |
| GCTGGGCGCA | GTGGCTCACA | CCTGTAATCC | CAGCACTTTG | GGAGGCCAAG | GTAAGCAGAT | 137280 |
| CACTTGAGGT | CAGGAGTTAG | AGACCAGTCT | GGCCAACATA | GTGAAACTCC | ATCCCTACTA | 137340 |
| AAAATACAAA | AATCAGCCAG | GCGTGGTGGC | ATGTGCCTGT | AATCCCAGCT | ACTCAGGAGG | 137400 |

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| CTGAGGCAAG | AGAATTGCTT | GAACCCAGGA | GGCGGAGGTT | GCAGTGAGCC | GAAATCGCGC | 137460 |
| CACTGCACTC | CAGCCTGGGT | AACAGAGCAA | GGCTCTGTTT | CAAAAATAAA | TAAATACATA | 137520 |
| AATAAATATT | TTTTAAAAAA | AGAACATCAC | TATGCACCCC | ATATATACAT | ATAATTATTA | 137580 |
| TGTCAATTTG | AAACATAATT | TTGAAAAATG | AAAAAATGAA | ACACAAATAT | GAATCAATCC | 137640 |
| TCTCCAAGTT | GATATACTTA | AAAGGAAAAA | AGTCCGAGGG | CTTAAACTAT | TCAATCAAAA | 137700 |
| TTTTATTAAA | ATGCTATAGT | AATCTGAAAA | GTATTTTCAGA | ATGAATTGGT | ATAAGGTTAG | 137760 |
| ACACAAAGAT | CAGTGAAACA | AAACAGAGAA | CCCAGAAATA | GATTCACACA | TCTATGGACA | 137820 |
| ACTGGTTTTG | ACAAAGGTGT | CAAGGCTATT | TAATAAGTAA | AAAAATCGTC | TTTTTCAGTAA | 137880 |
| ATGTTTCTTG | AACAAGTAGA | CATCCGGTGT | GGGGGAGAGG | AGCAGGAGCC | TTACCTCAAA | 137940 |
| CTTTATGCAA | AAATTAAGTC | AAAATAGACC | ATAGACTTAA | ATGTAAAAGC | TAAAATTATA | 138000 |
| AAACTTCTTT | AAAAAATAGG | AGAAAATCAT | CAACACCCTA | GGATTAGCAA | AGATTTCTTT | 138060 |
| AAAACAAAAC | AACAGGTTTA | TAGTTTATAA | AACATAAATA | ACAAAATGAT | AAATTTTCATC | 138120 |
| AAAAGTGAAA | ATTTGCTTTT | CAAAAAACAT | TATAAAATGA | AAAGCAGGAG | GCTGAGGCAT | 138180 |
| GAGAATCACT | GGAACCCGGG | AGCTACAGGT | TGCAGTGAGC | CAAGATGGTG | CCACTGCACT | 138240 |
| CCAGCCTGGG | TGACAAAGTG | AGACTCTTCC | TAAAAAATAA | ATAAATAAAT | AAATAAATAG | 138300 |
| AAAAGAAAAA | GAAAAATCAC | AGGCTGAGAG | AAAATATTTA | TAATACATGT | ATCTGACAAA | 138360 |
| GGACTCGCAC | CTGGAAAATA | TAAGGAACCT | TATAACTTAG | TAAGATGACA | AGCCAAAACA | 138420 |
| AAGAGTAAAA | GTTTTCAACA | GACATTTTAC | AAAAGAAAAC | ATACAAATGG | CCAGTATGCA | 138480 |
| CATGAAAAGA | TTTTAAACAT | CATTAGTTAC | TAGGGAAATG | CAAGTCAAAA | CCACAATGAG | 138540 |
| ATACTTCACA | TTCAACAGAA | TAGCTAATGT | TAAAAGGACT | GACAATCCCC | AGGGTGAGCA | 138600 |
| AGGGTGTGGA | GGAAACTACT | CTCATATATT | GTGAATGTAA | GAGGACAATG | TTACAACTAC | 138660 |
| TTTGAAAAAA | GTTTGGCTGT | TTCTAACATA | AAATTAAACA | CTTATACAGC | CCAGCAATAT | 138720 |
| TTCTGGGTCA | TTTCTCCCAG | ATAAATGAAC | ACATGTCCAT | ACTATGACAT | GTACAAATGT | 138780 |
| TCATACTGGC | TTTGTTTCAC | AATGCTATAA | ACTGGAAACA | ACCCACGTGT | CCATCAACAG | 138840 |
| GTGAATGGGT | AAATAAATTG | TAATATATCG | GCCAGACGCA | GTGGTTCATG | CCTGTAATCC | 138900 |
| CAGAACTTTG | GGAGGCCAAG | ATGTACGGAT | CACCTGAGAT | CAGGAGTTTG | AGACCAGCCC | 138960 |
| ATCCAACATG | GTGAAACCCC | ATCTCTACTA | AAAAATTAGC | TGGGCATGGT | CACGGGCGCC | 139020 |

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|-------------|-------------|------------|-------------|-------------|-------------|--------|
| TGTAATCCCA | GCTACTCGGA | AGGCTGAGGC | AAGAGAATCA | CTTGAACCGA | AGAGGCGGAG | 139080 |
| GTTGCAGTGA | GCCAAGACCA | TGCCATTGCA | CTTCAGCCTG | GGCAACAAGA | TGGAAACTCC | 139140 |
| ATCTCAAAAA | AAAAAAAAAAT | TGCAATATAT | CTATATCTTG | GAATATTATA | AAGCAATAAA | 139200 |
| AGGGAATAAA | CTACTGATAT | ATACACAAAA | TGGATGAATC | TCAAAAATGT | GAAGGAAAAT | 139260 |
| AAAAAATACA | TATGATATAA | ATTCCATTCA | TATGAAATTT | TAGGAATGGG | AAAAC TAAGC | 139320 |
| TGTAATTATG | GAAAGTACAT | CAGTGGCTGC | CTGGGGCCAA | GAGGATGGAA | GAGGCGGCAC | 139380 |
| AGGTGATACT | ACAAATGGAA | ACTATCTAGG | TTGACGGAAG | TGTTCTGTAA | CTTGATTACA | 139440 |
| GTAGTAACTG | TTTGGGTATA | TAAAACGCAT | CAAATTGTAT | AATTAATACA | GGTGTATTTT | 139500 |
| ACTGTGTATA | AATTATTCCT | CAATAAAGTT | GATTTTTTCAT | TAAATATATT | ATTTGCTAAA | 139560 |
| ATGAGGAGAG | ACAACTATTA | TCTTAAAATA | GTTAAGCACA | ATAAAAATAC | TACAATCAAC | 139620 |
| TCATTATATA | TGGAAATTAA | AGGAGAAAAA | TAGTGGTATG | ATTAATTAAA | ATAAAAAGAA | 139680 |
| AACCTTCTAA | ATTTTATCTT | AGCTCATAGT | TGTAAAAGCT | GCCATCCCTA | ACCAAGGCCA | 139740 |
| CCCTTGACCC | TTTCTCATGT | TCCATCTTTC | TGTTTGTTTC | ATAGTTTATG | TCTCACCAAA | 139800 |
| ATCTATCAGA | TAAACGTATT | CATATGAAGA | TTTAAATATA | TTACATGTTA | AGCCTTAGCG | 139860 |
| AATACTTCAA | TATCTAAAGA | AGGTACAAAC | AAAACAAAAA | TCAACACTTA | GTTATAAGAG | 139920 |
| ATTACATACT | CTCCAGGGAA | GACCTGAAGA | CTAGCCCCTT | TCTGGATCCC | ACTAGCCCCT | 139980 |
| CATCCCCTC | CAAGCCCCTC | CCTCCAATCC | CATATGCACT | GGGCATTTCAT | ACAAATAAGA | 140040 |
| CCATCAGCTC | TGGATATCTG | TACTGATTGA | TGCTCCTGCT | AACTACCTGA | ATGATTGCGA | 140100 |
| TGTAAGGACA | GCACTGCCTG | AATCCTATTT | ATCTCTCGCT | ATGCCATAGC | GGCCTTCCAT | 140160 |
| GCTGATGGCG | TGTTTGAGGA | TCCAGAGGGG | TCTTTGGTTG | GCAGGATTGT | TTTATTTCCC | 140220 |
| CAAGAGGAGA | GCCTTGATGC | AAAAATAGGT | GAAGAAATCA | GTACAACAAA | ACAGAAAGCC | 140280 |
| TAGAAACTAC | TATGAACACA | ATAGAGCAGA | AGTAGCCTTA | AGAGTTGGTG | GAGAAAGGAT | 140340 |
| GGTCTATTCA | ATTACCTGGG | CTGAGAAACT | GGCTTTCATA | TGGAATAAAA | ATAAAATTAT | 140400 |
| AGCTATACCC | CATATCATAC | ACAAAAGTTT | CTACATCTAA | CAAAGACACA | GATAGAAAAT | 140460 |
| GTTTTAAAAAT | TTTAGAAGAA | AATAGTGCAG | AATTTTAGTG | CAGAATTTCT | TAGACTAGAT | 140520 |
| GCAAAAACAA | AAATGATTAA | AGTGGCCAGG | CACGGTGGCT | TATGCCTGTA | ATCTCAGCAC | 140580 |
| TCTGGGAGGC | CGAGGTAGGT | GGATTAGTGG | AGGTCATGAT | TTCGAGACCA | GCCTGGACAA | 140640 |

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|-------------|-------------|------------|------------|------------|------------|--------|
| CATAGTGAAA | CCCCATCTCT | ACTAAAATAC | AAAAATTGGT | AGGGTGTGGT | GGCTCACGCT | 140700 |
| TTTAATCCCA | GCTACTTGGG | AGTCTGAGGC | AGGAGAATCA | CTTGAACCTG | GGAGGCAGAG | 140760 |
| GTTGCAGTGA | GGGGAGATGG | CGCCACTGCA | CTCCAGCCTG | AGCAACACAG | CGAGACTCTG | 140820 |
| TCTCAAAAAA | ATCTAAAAAT | AAAAAGATTA | TTTTTAAAAG | ACTATTTTAA | ACAAAAAAA | 140880 |
| TCGTTTAAAT | GATATGACAC | ACTACATCTA | ATATTTGGAA | AAGTACTTCT | TAATACTTTT | 140940 |
| AATAAAAAGA | GGCGCTGAGA | GCATACAACC | TATCCTCAGA | AGAGTGTTTG | ACCTCTAGGA | 141000 |
| GGGACGCAAG | CGCGTTCTTC | CTTCATTTTA | ACTGGTCATT | TTCATTTATT | TCAGGAACAT | 141060 |
| CTGAAGTAAA | CACAGTCACA | CGTTAACCTT | TAAAAATCTA | GGAGGTGCGT | ACGCATAGTT | 141120 |
| CCATTACTTC | AATTTTTGTA | CTTTTGCATT | TTAAAATATC | ACAGGGAAGC | TCGGTACAGC | 141180 |
| TTCAAGGCTA | GGAGGGGTGG | CTCTCTCTTA | AGCCCTGTCC | CCGCCAGCCC | CAGACCTCTC | 141240 |
| GTCCCGCCCC | CATTGCCCAG | TCCCCACCTT | CACTTCCCCA | TTTCCCCACT | CCCGCGGTCT | 141300 |
| CTTAACGCAC | CTCGTTTTTC | GTCCAGTGGA | CTCAGACCTG | TAGTCTTCCA | CCAGGATCGG | 141360 |
| CTCCTTTCCC | GGAGCTCTCG | CTCTTAGAGG | AAATTGAGAG | AAGCATCAGC | GGAGACCCAT | 141420 |
| CTGTGGCTCT | CCAGAGGGCG | CGGCATTGAG | ACCCCAGATC | CAGCTGTGAG | AACGGACCCC | 141480 |
| AGGCTCACAC | CAGGCCTGCG | GGAGGCGGCC | CACCAGAGGC | GCTAGAAAAC | AAGCCTCGCG | 141540 |
| GGGAGGCGCG | CAGGGCGACT | GCAAGCTGTA | GGGGGCGCTG | GCGCCCTCAC | AGGCCAGGGG | 141600 |
| CAGGGCCGGC | GCTGCGGGCG | GGGCTCCTGC | GGCGTGAGGG | GCGGCCCCAG | GCCAGCAGCT | 141660 |
| GCGCCCTGGC | TGGGAGCCGG | GGAGCATTTG | CTGCTCTGCT | GGACCCTGAG | TCTGGCGGCG | 141720 |
| GGCGGCCTCC | TCTCCGCTCC | CCGCCCCGCA | TCCCCCAACT | CCCGATCTCT | CTGCTGCGTC | 141780 |
| TGGCCTCAGG | CTGAGACCCC | AACGAATCAT | TCCCCGCATG | GGAACATTTT | ATGATATAAC | 141840 |
| TGAATTCAGT | TTTATGTATA | ACTGAATTAC | GGATATGAGA | ATCTCAAATG | AGGACGAATG | 141900 |
| GTTTTTACGC | ACAAAACATG | AGACACAAAT | CTGTAAGAAA | TATAAAGTCG | TGACCACGTC | 141960 |
| CTTTTCAGAAC | TTTAACCTGT | TTGCTGAAGT | ACGTCAGTAA | CAATGGCAGG | GAAAGGGTAT | 142020 |
| CTTAAATTTT | ACCACAGCCT | CAAAGAGGCC | ATTTCTGTGA | TCCGCTGAGG | CTTGGAGTCG | 142080 |
| GCCTTCTGAC | CACGAGTCCT | GCGGCTATGA | AAGAGGAAGC | CGCGGTTTCA | GGCGTCCTCG | 142140 |
| CGAGTCGTGC | AGCCCCGCCCT | GCTCCAGCTG | GGGACACCGG | TGGTCACGGC | GCTTTCCAGC | 142200 |
| TGCAGATCCA | GGCGGCAGCC | CAAGATTTGG | TCCAGCCGCC | AAGGGGTGGC | TCGAGTGACT | 142260 |

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| GACGGGCCTT | GAACGCTCCC | AGGACCCACA | TCTGGAGAGG | GAGGTGGGGG | TGGGGTGCTG | 142320 |
| AAGTCATTCT | TGGGGCCCCCT | GGGGGCGGGC | ATGGACCTGG | GTAAGGCCAG | AGAAATTGAC | 142380 |
| ACCTCGTGAC | ATCCCTGGAA | GAGAAGTACG | TTCAGTGTCA | CTCCAGAGCT | GAAACCGCCT | 142440 |
| TCTGGCTGGT | CCCTCCTCAC | CTACATACTT | TTCTAATTTG | TCTGGAGCAG | GCCGGGCATC | 142500 |
| TGTATTATCT | GGTTATTTAA | ATATCTGGTT | ATTTAAAAGC | TCTCCATTAA | ATTCACATAC | 142560 |
| ACGAAAATAA | AAATTAAAAA | AAATTTTAAA | AAAAAGAAAC | AAAAGCTCTC | TAATGACCAA | 142620 |
| GTCCTACACG | ATAGTGAATA | AATTTTTTTG | TGTGGTCCCT | AAAATTGAGT | TCATGCCTTT | 142680 |
| TCTGAAGTAA | TAGACGCCCCA | GAGAAGGGAT | CGACTTACCC | ATCATGCCAC | AGAGATTAAAT | 142740 |
| TGGCCCCAGA | ATTCTTTAGC | AGACCGTGTA | TATGAACGTC | CTTTGCAATC | ATATAAATTA | 142800 |
| ACTGGGAAAA | CCTCATTTAG | TATGTTACAT | GCCTAGCGTT | TTGTGCCTGA | ACACCTTACA | 142860 |
| AGAACCAGGG | ACTATTGCCC | CAATATTATA | TTTCAGGAAA | GGAAGGCCCA | GACAAATGGT | 142920 |
| GTCACTGGTC | CACTTTCACC | CAGTTGGTAA | ATGAAACCAG | AAATTATAGC | TGTACCACAG | 142980 |
| AAAGGTGAAA | ACGTTTCTTT | TATAATTTCA | CATACAATCT | TTAATGGACC | CAGTGTCCAA | 143040 |
| CACATTAAAG | CAAGTGCTCA | GGAGTGACAT | CAAGATGTAA | AAAATAGTCC | TGTCCTCAGG | 143100 |
| GAGTTTAGGT | CTTGGAGAAA | AGAGACCCAA | GGAGACACAA | GACAAAGGGG | AAAGAGAAGG | 143160 |
| AGCGCTGAAG | ACTGAGGACC | CTGCCTGTGG | ACTGAAGTGA | GGATGGGGAC | ACCCGATGCC | 143220 |
| CGGAATATGA | CAGTTTGGAG | GGGCCTGAAG | GACTCTTCTA | TTCTCTATCA | GAAAAACAGA | 143280 |
| ATTACTCTCC | TAACCAGAAA | AGGTATTTCA | ATTTATATTT | TCCATCACAG | CACTTTTCTG | 143340 |
| GTGATAATTT | AATGTGTTTT | AAAAAATGTA | TCACAGTGAT | GGCCTGGTGT | GAAATAAATA | 143400 |
| ATAAAATTTT | AAGAATTAAA | AAATATAAAA | ATCTTTTATA | TAGACATTAG | GAGTTACAAG | 143460 |
| GATAACTGTG | AATTATAATT | AGTAATTAAA | TTGAAATACT | GATTATTTTC | ATTTTTATTT | 143520 |
| AATTATTTAA | TAAAACCTAT | TTAACATTTA | ATATTTATCA | GTAATTAAAT | CTAATTGTTA | 143580 |
| ATATTTATTA | TTATAAATTA | TTTTAGAATT | AAAAATAAGT | GTAGAAGCGA | GGCATGGTGG | 143640 |
| CTCAAGCCTG | TAATCCCAAC | ACTTTGGGAG | GCTAAGGTGG | GAGGATTGCT | TGAGCCCAGT | 143700 |
| AGTTCAAGAC | CAGCCTGGGC | AACATGGAGA | AACCCTGTCT | CAATACAAAA | AAATGAGCCA | 143760 |
| TGTGTGGTGG | TGCGTGCCTG | TAGTCCCAGC | CATTCTGGAG | GCTGAGGTGG | GAGGATGACT | 143820 |
| TGAGCCTAGG | CAGTCAAGGC | TGCAGTGAGC | CCTGATCTTG | CCACTGCACT | CCAGTCTGGG | 143880 |

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| CAACAGAGCA | AGACCCTGTG | TCAATATACA | TATGGACAAA | CTTAAAATTT | AAAATGAAAG | 143940 |
| CATACTACTG | ATACAGAATT | GAGTAGAGAT | GCAAAGCTAG | TCCTATAACC | AGAACAATAA | 144000 |
| AGATAAAAAAG | GAGAGTGGAA | GAAGGTATGT | CATGAATTTT | ATGATAAATG | GCAATTGCAA | 144060 |
| ATATCCTGTA | GCAGAACAAA | ACAACAAAAC | TGTAGATAAA | ACATATCCAA | CCCTTTGGAA | 144120 |
| GGCCAAGGAG | GGAGGATTGT | TTGAGCCCAG | AAGTTGGAGA | CCAGCCTGGG | CAACATAGTG | 144180 |
| AGACCCTGTA | TCTAAAAAGG | AAGAAAGAAA | AAAAAAAAAA | GGATGATAAA | GTAGACAATA | 144240 |
| TTGAAAGCCA | TTTTCTGCAA | ATACATAGTG | AATTTGATCA | GTAATTTTCT | TCCAACAGTG | 144300 |
| CAAAAATGAA | TAGATATTAG | TTGCCTGAAA | TAAAAATCAA | ATATCCAACA | AAAAATATTG | 144360 |
| ACTATCTAAT | AGTATCTAAG | CTAGTAAATT | TGGCCAGTTA | TAAAATGTCT | TAAATTTTTTA | 144420 |
| TTTAAAAAAA | GAAAACCATA | TTTATAAGAA | GAGGTGATAA | AGAGAAATTA | TTTCAGTTAT | 144480 |
| GAAGATTTTG | TTAGAAAAC | ATGAGAAAAA | AACTATTTTT | TGTTTTCAAA | AAGTGAAAGA | 144540 |
| TTAAGTTACC | AAACAGTTGC | TAAAGAATAC | CAGATGGCTG | AGCGTGGTGA | CTTATGCCTG | 144600 |
| TAATCCCAGT | ACTTTGGAAG | GCCAAGGCAG | GAGGATCATT | TTAGGCCTGG | AGTTCGAGAC | 144660 |
| CAGCCTGGGC | ACTGTAGCAA | GACCCGTCTC | TATTAAAAAA | AAAAAAAAAA | AAAAAAAAGA | 144720 |
| ATACAAGACC | TTGCTAACAA | TAGCAAAGAT | CAATTAATTC | AAAATTTGAA | AAACTGTAAT | 144780 |
| TTATTTAGCT | TTAGAGTACT | CTCGTGATAT | GAGATTGCCA | AATTAATACT | TTGGGTGCAT | 144840 |
| TTCTTTTCTC | AAAGGACTTG | CAAATTTACA | AAGAAGTGTT | GAAGAAAAGC | CACACATTGG | 144900 |
| CAGGTAATGT | TTGCAAAAGA | CAGATCTGAT | GAAGAACAAT | ATTTTTTAGAA | TATACAAAGA | 144960 |
| ATACTTAAAA | CTCAACAGTA | AGAAAATAAC | CTGATTTAAA | GCAGGCCAAT | GACCTGAACA | 145020 |
| TCTGTTACCC | AAAGAAGATA | CACAGATGCA | AGTATGCATA | TGAAAAGATG | CTTGACATCA | 145080 |
| TGTCATTAGG | GAAGTCAAAA | TTAAAACAAG | TAGATACCAC | TGCATACCTA | GTAGAATGAC | 145140 |
| CAAAATTTAG | AACACTGTCA | GCACCAAAGG | TTGCAAAGAT | ATGTAGCAAT | AGTAACTTGT | 145200 |
| TCATTACTGG | TGAGAATGCA | AAATGTGCAA | TCACTTTGGA | AGACAGTTTG | GTGGTTTCTT | 145260 |
| ACAAAAGTAA | CCATACTTTT | ACCATAAGAT | TCACCAATCA | CACTCCTTAG | TATTTATCCA | 145320 |
| AAGGAATTGA | AAACTTATCT | CCACACAAAA | ACCTGCACAT | AGATGTTTAT | AGCAGCTTTA | 145380 |
| TTCATAATTT | ATCCAAAAC | TGGAAACAAG | ATGTCTTTCA | GTAGGTAAGT | GGATAACTGT | 145440 |
| GGTACTTCTG | AATAATGGAA | TGTTATTTAG | AGTTAAAAAG | AAATGCATTC | ACTTTGGGAG | 145500 |

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| GCCGAAGTGG | GTGGATTGCT | TGAGGCCAGG | AGTTTGTAGAC | CAGCCTGGTC | AACATGGGAA | 145560 |
| AACCCCAATT | AGCCGGGCAT | AGTGGCGTGA | GCCTGTAATC | CCAGCTACTC | GGGAGGCTGA | 145620 |
| GATATGAGAA | TCGTTTGAAC | CTGGGAGATG | GAGGTTGCAG | TGAGCCAGTG | CCACTGCACT | 145680 |
| TCAGCCTGGG | CAACAGAGCA | AGACTCCTCT | GTCTCAAAAA | AAAAAAAAAA | AAGAAAGAAA | 145740 |
| AGAAAAAAGA | AAAAGAAAAA | GAAAAGAAAC | GATCAAGCCA | TGAAAACACA | TGAAGGAAAC | 145800 |
| TTAAATGTAT | GTTACTAAAA | AGCCAACCTG | AAAAGACTGC | ATACTATATG | ACTCCAACCTG | 145860 |
| ATGCAGGGCA | AGCAAGCCAA | AAATTAGGGC | TTAGCCCGGG | AAGAATTCAA | GGGTGAAGTG | 145920 |
| GTGGTGTTAG | CAACTTTTAC | TGAAGCAGCA | GTGTACAACA | GCAGAACAGG | TACTGCTCCT | 145980 |
| TGCTGAGCAG | GGCTAACCCA | TAAGTAATGT | GCCCAGAGTA | GCAGCTCAGG | GGCAGTTCTG | 146040 |
| CAGTAATATA | CCTGCTTTTA | GTAAAGTGCA | TGTTAAGGGG | GATTATGCAG | AAATTTCTAG | 146100 |
| AAAAAGAGTG | GTAAC TTCGG | AGTAGGTACA | GAGGAAAGAA | GTCGATAATG | TCCTGTTGTT | 146160 |
| GCCATGGCAA | CGAAAAACTG | ACATGGCGCT | GGTGGGCGTG | TCTTATGGAG | AGGTGCTTTA | 146220 |
| ACCTCGTCCC | TGTTTCGGCT | AGTCTTCAAT | CTGGTCCGGA | GTAAAGTCCC | TGCCTCCGGA | 146280 |
| GTTCACTCCT | GCTTCCTGCT | TCACAACTGT | ATGACACTCT | AGAAAAGACA | GTAAC TATGG | 146340 |
| ACACAGTCAA | AAGATTAGTT | GATAGAAATT | GGGTGACAGG | AAGTGTTGAA | AAGGCAGAAC | 146400 |
| ACAGGATTTT | TAGGGCAGTG | AAACTTCTGT | GATACTATAA | TGGTGAATAC | ATGACATTAT | 146460 |
| ACATTTGTCA | AAACCCATAG | AAAGCACAAAC | ACCAAGAATA | AACCCTAATG | TAAATTACAG | 146520 |
| ACTTTCGTTG | ATAATGACGT | GTCAATGTAA | GTTCAATTGT | AATAAATGTA | CTACTGTGGT | 146580 |
| GCTGGATGTC | TATGGTGGGG | GGACATTTTT | GCTTCAATAG | TTACAGTTGA | AGTAAATGTT | 146640 |
| TGTGTTTCCC | ACAATGCATA | TGTAGAAACT | CTCACATTCA | ATGTGATGGT | CTTTGGAGGT | 146700 |
| GGGCTCTTTG | GGTGATAGTT | AGGTTTAGTT | GAGATCCTAG | CAGATCGAGT | CTTCATGATG | 146760 |
| GGCATGATGG | GA CTGGTCCC | TTATAAGAAA | AGACCAGAAA | GCTAGCTCTC | TCTTTGCCAT | 146820 |
| GTGAAGACAT | AGCAGGAAGG | TAGCCATCTG | CAAGCTAGGA | AAGGGCCTTC | ACAAAGAATC | 146880 |
| AACTCAGACC | TCAGAACAGT | GAGAGATAAA | TTGTCGTTGT | TTAAGTCACT | CAGGCTGTGG | 146940 |
| TATTTTGT TT | CAGCAGCCCA | ACCTAAGACT | GTTAATTGGA | TTAGAAATTT | CCTTTTGGGG | 147000 |
| ATGGTGTGTG | GCGGGCGGGG | GGCGGGGAGT | ACCTTTGTTA | AGCTTTTATA | TCAATGAGTT | 147060 |
| TGTAGGCTTT | TCTTTTTTGG | TCATTGACTA | GGACAGTTTA | AATAGTATGA | GTGTGAAGGA | 147120 |

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| GATTGTTGGT | CATCTATTCG | ATGTCCCTTC | TCTGTTTTTT | AATATGAGAA | CTCCTGATTT | 147180 |
| TCAGCCAACT | ACCCTGGAAA | AAAAGCTAAT | CTTTCTGACT | TCTTAAGTGT | GGCCATGTAC | 147240 |
| TAAATTCTGG | CTAATGCAAG | GCAAGCCAAA | GGTTTTATGA | TAGGTTTTAG | GACACTAGAG | 147300 |
| TAAAAGAGAG | CTGTTGCACA | CATGCTCTTC | ACCCTACTTT | TGTGTCCTTT | TTTCCATCCT | 147360 |
| ACAACTTGGG | TTGTGAGTAT | GATGGCTGGA | ACTTTAGTGG | CTCTCTTGGA | TCCCAGGGGT | 147420 |
| AATTGAGGGG | TGGCTGGAAG | GAATCTGTGA | TTTTCTGGAG | TTTCCATACA | CAAACAAGAC | 147480 |
| CTGGATTTTC | TGGGCTTCCC | AGACTTCCAC | ATCTAGACTT | GCTTTAAATG | GGAGATAAAT | 147540 |
| AAACTTGTTT | CAGCCACTGT | CATTTTGGGC | TATTTTATAG | AACTTAATCT | AATCTTCAAG | 147600 |
| GGTACATGAA | TTGCTTTTCC | TTAAAAAAA | AATCAGCCAT | AAAATCATCT | TCTTTTTTCT | 147660 |
| TTTGTTCCCC | ACATTATTTA | GTTGGAGCTC | TGTAACTTTT | TTTTTTTTTT | TTTTTGAGAC | 147720 |
| AAGGTCTTGC | TCTGTCACTT | AGGCTGGAAT | TCAGTGGCAT | GACCATGGCT | CACTGCAGCC | 147780 |
| TTGCCCTCCT | AGGCTCAAGC | AATCCTCGTC | TCAGCCTCCT | GAGTAGCTGA | AACTAAGGCA | 147840 |
| CATGCCACCA | TGCCCAGCTA | ATTTCTTTTC | TTTTAGAGAT | GGGAGCCTTG | CCCAGGCTAG | 147900 |
| TCTCAAATC | CTAGCCTCAA | GTGATCCTCC | CATCTCAGCC | TCCCAAAGTG | ACAGGATTAC | 147960 |
| AGGTGTGAGC | CACCATGCCT | GGCTGCTCTG | TAAGTGTCTG | AATTTCAATT | TGTATTTATC | 148020 |
| AGTCTGTTTA | GATTTTCTTT | CCCTTCTTGG | GTCAGTTAGG | CCATTGGTTT | CTTTTTAAAG | 148080 |
| GTTTTCAAAT | TTATTTGCAT | CTAATTCTTC | AAATTACTCT | CAAAATTATT | CCAGTATATA | 148140 |
| TTCTTTTGTT | CCTATTTTCT | TCTGTATTCT | TTATTAAAT | AGCTAATGAT | TTATCTAGCA | 148200 |
| GGACTTATAT | TCTTTCCATA | ACTTTCCTGC | ACCCCAATTA | ATCTCCAATT | TTATATTTCT | 148260 |
| TCTGGCCTTC | CTTATAGTTT | CCACAGGTTT | ATTTTATTCA | TTTTTTAAAA | CTTTTATTTA | 148320 |
| ATTGTTTATT | TTATTATCAT | TCTTTCTTAT | TCAGCAATCT | AAGTGCTTAG | GGATATAGAA | 148380 |
| TTTCCTCTAA | GCAGCATATG | CTAGGCTTTA | ACAATGTTAG | GGAGGCCTCC | CCTTTCTGGG | 148440 |
| GAAGACCACA | CTTACATTAA | CACAGGACTG | TGGGATGCCA | AGAGGTAGAG | AAGAGCTTAT | 148500 |
| GAATATCCAG | ATTACATCTT | CACTGATCCT | GCACAAAGGT | GGGGTTCCTC | GGTTACCCAC | 148560 |
| TGGGTCCTAT | TACCCAAGTC | TGGGTCAGCA | TACCGAGACT | ACGGGTATAT | AGAACAAGTG | 148620 |
| CAACTGGCGA | TAATCCTTCT | GTTGGGGAGA | AAAATCTTTT | TTTTCTATTC | ATCTTAGGTT | 148680 |
| CTCCATCTGT | GGCCCTATCA | AGTAGACTAA | CAAAAGACAG | ATTGACAAGA | CAGAAACAAA | 148740 |

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| GCATGTGCAT | TGTACAAACA | CAGGGGAGTA | CTGAGATGAA | TACTCAAAG | AGGATTTAGA | 148800 |
| ACTTGGGCTT | ATATAGCATT | TTAAGAAAAG | AATACATTTT | TTAAGTGACA | AGGAAGACGA | 148860 |
| AAAGGACTTT | GAGTTTCTAG | TGCAGTAAAT | TGTGGGAAGG | CAACTTTTTC | TTTCCCTTTT | 148920 |
| TTTTTTTTTT | TTTTTAAAAA | AAAAGACTTC | TCTGGTGCTA | TGTCCAGGCT | GATAAGAGTC | 148980 |
| TAAAGTCTCT | GGTGACTAAC | TTTTGTTCTT | CCCCGAGTAA | GAAGACACCT | TCACAATTTT | 149040 |
| ATATCCTGCT | TTTAGGCAAA | TAGGGAGAGG | GCAGAGGTGT | TTGTTTGTTT | TTAATCTATT | 149100 |
| TTTTTTCTCA | ATTGTCTTCA | ACTCAAATA | CTTCTTATGC | CAAAGATGGC | ATATTCTGCT | 149160 |
| ACCCCTCACT | TACTACTTAC | AACCCAGCCT | CTATCATCAT | AATTAGAACT | TCTGACCCTG | 149220 |
| GGGAACATGG | GCAATAGTTT | GAAGTCTTTT | ATATCTCCCT | TAGGCAGAGA | TGGAGGCCCA | 149280 |
| GCCATGCCTC | TGACATCTAG | ACACAACGT | TGCTTCATTT | CTCCTATTCT | CAGAGGTGAT | 149340 |
| GTTGTAGGAC | TTCAACAAAT | ATCAGTAAAC | ATTAATTTTT | TTTTTCCTTG | AGGCACAGCA | 149400 |
| TGATCTTGGC | TTACTGCAGC | TGCTGCAGGC | TCAAGCAATT | CTCCTGCCTT | GGCCTCACGA | 149460 |
| GTAGCTGGGT | TACAGGCCCC | TACCACCATG | CCCGGCTAAT | TTTTGTATTT | TTAGTAGAGA | 149520 |
| CAGGGTTTCA | CCATGTTGGC | CAGGCTGGTG | TTGAACTCCT | GACCTCAAGT | GATCCACCTG | 149580 |
| CCTCAGCCTC | ACATAGTTCT | GGGATTACAG | GCGTGAGCCA | CCATGCCTGG | CCATCAATTT | 149640 |
| TTATGTCAAC | TCTAAATTAT | AACATTTAGC | AATTTTGTGA | CTTTTATGG | TCATCATTAA | 149700 |
| TGTTGTTTAT | GTTTTAGTTG | TAGTCCTGTC | ATTACTCACT | CGGGTATGGT | AATTTGGTCT | 149760 |
| TTTTCAAAAT | GAAGTTAAGG | TCTATTTGCT | CTTCTCTGAA | TCATAATAAG | AACTGCCAAC | 149820 |
| AGCCATTTCA | GCAATAACTA | TTTACTGAGA | TTTTAAAATA | TTTCAAGGTA | ATTGGTCCTA | 149880 |
| GCAGACTGGA | AAATACCAAA | TTCTTTTCCA | GAAGTGAATC | CCCCATCAAA | GTTCAATTTT | 149940 |
| ACTCATAATT | CCCTTTTCAT | TTGAAGCATC | TCATTGTAAG | CCAGTCTTAA | CCCTTCTCTC | 150000 |
| AACTTTTGCT | TGGCTGTTTC | TCAGGTAGAA | CTCAGTAAGT | CTGGTAGCCT | CCAGGACTGC | 150060 |
| CGCTTAGATT | ATTAAACAAC | ATGTCAGTGG | TTGGAAGAGT | CAATGTTATT | TTGATTTTTT | 150120 |
| TGTTTTGTTT | TGTTTTAAAT | GCAGTTGGCG | GATAATTGCA | GCTTTCTTTC | ATTCCCTACA | 150180 |
| TGAGTTCAAA | TGGCAGCAAA | CAAAC TAGGA | GAACGCAGAC | CTTCTGACTT | GTGGGTACCC | 150240 |
| CTACTCATCA | CCTGAAGACC | CTTGGAATC | AAAGCCCTGA | CCCATTAAAG | ACGGATGGAG | 150300 |
| ACAGCAACAT | ACGATCATCA | CTATTATCTT | GCTTTGCCCC | AGTCCAGGTT | AACCATCTGT | 150360 |

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| GGTATTTTTTA | GTTGCTAAGT | CCATATATTC | AACATAAATC | AATTATATAT | CCACTAAAAT | 150420 |
| CTCAGCACTA | GTCTAACTAC | TAAGGAAATG | ACAGCGAAGA | AAACAGACCA | AACGTCTGCC | 150480 |
| CTTATGGGAT | TTATATTATT | TTCTCTGTGC | TGGTTAAACC | AAGGAGCTTC | TGCTCTTTTC | 150540 |
| CTTAGTCACC | TGGGGGAGGC | AGAAACAAAG | GAGAATATTG | ATAAACCTGG | AAATAGGGCC | 150600 |
| GGAGAGTATC | AGAGAAGGAA | GCCTTCGGGA | AAGTAAAGAT | GTGGCAGCCA | GTATTCCCGT | 150660 |
| TATAAAAGGA | TACAACTCCG | GCCTCATAGT | CCAGAAAAAT | TCCCACAAGC | AGGGGCTGCT | 150720 |
| CATGCAGATG | AAGGGAAGTT | GGGGGAGAAG | TAAGTGCTAC | ATAGCCTTTC | TTTTTGACAC | 150780 |
| GCCTGAGGGT | CCAGAATCCA | GACTGAGGCT | CTTGCTTCAT | GCCAGTGCCC | CTCTGCACAT | 150840 |
| TTTCCATACA | AACTCCTAAA | TCCCATCCGG | TTCCTTCGCC | AACATCCACT | TCAAAGTAAC | 150900 |
| GTCTTCCTGA | GGTGAAGCCT | TCACAACCCA | AGACACAGGG | GAAGGCAGTA | AATCTCCTGG | 150960 |
| AAGATGTGTC | CTGATTCTCC | TGGGTGTATC | CACGAGTCAC | TTGTCTCCGA | TCCTCAGAGA | 151020 |
| GAATTAGTTC | GTGATGAGCT | GTATCTGGAT | CCAGAGTCAC | ACTAACTGCA | AAACAAAACA | 151080 |
| AAACAAACAA | AAATAATTTT | GTTGCTGTGA | AGAACACAGG | TTATTTTATT | TTATTTTATT | 151140 |
| TTGAGATGGA | GTGTTGCTGT | CACCCAGGCT | GGAGTGCACT | GGCACTATCT | CAACTCACTG | 151200 |
| CAACCTCCAC | CTCCTGGATT | CAGGCAATTC | TCCTGCCTCA | GCCTCCGGAG | TAACTGCGAC | 151260 |
| TACAGGTGCG | CACCACCACA | AGTGGCTAAT | TTTTTTAAAT | TTTCTGTAGA | GATGGGGTTT | 151320 |
| CGCCATGTTG | GCCAGGCTGG | TCTCAAATC | CTGACCTGAA | GTGTTCCACC | CACCTCGGCC | 151380 |
| TCCCAAAGTG | CTGGATTACA | CAGGTGTGAG | CCACCATGCC | CAGCCACAAG | TTATTTTCAA | 151440 |
| TAAAACCAGC | CTGTGTTCAA | ACCCAACTAT | TGTTTCTTAT | AAACTGGGTG | AGCTTAGGCA | 151500 |
| AATCATTTAA | CTTTCTGAGC | CTCAGTTTGT | TAACTATAAA | GTGGAAATTA | CCGTATTTGT | 151560 |
| TGCAGAGAAT | GGTGGGTAGG | ATTGAATAAG | CTTATGTTTG | CTTAATGCTT | GGTAAAATTC | 151620 |
| CTGGTACATG | GTAACCACCT | AATAAGTGGT | AGTTGTTGGG | GTGATCAGGC | CCAACACCAG | 151680 |
| GCCGTGGGGG | CTACAAAGTC | CGGCGGGGTC | AAAGGAATGA | GAAAAGACAA | GTTAAGAGTG | 151740 |
| CATAAAGTGG | GTCCAGGGTG | CCAGCACTAG | ATTGGAGGCT | GCAAAGGCC | TAAGCTCTGG | 151800 |
| GAGCCACAC | TATTTATTGG | TGATCAAACA | AAGAAGCAGG | TGGTGAGGAC | GTGAGGGTAA | 151860 |
| ACAGGTGAGG | GCATGAGGAC | ATGGGGGTAG | AAAGGTAGTG | GTGCATTAAG | CGTAGCTGTG | 151920 |
| ACAGTTTAGC | ATTTTCTTTG | ACACATGTAG | AATATACTCT | GCTGCTTGAG | ATAGTAGAGG | 151980 |

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| ACACGTTTAT | GAGTGAAAAAG | CAAGGAACCA | ACAAGTCTGT | GCACTTTCCA | GAGGCTATGA | 152040 |
| GGGGTTTTAT | GCCCTGAGCC | CTGGGTCCA | TCCAAGCCAC | AAGGGGTTTT | ATGCCCTAGG | 152100 |
| CTTAGATTTG | TGGTGCGGCA | GGGCAGCCTT | CCACCATTTG | GCACAGAGCT | TGGTGTCCA | 152160 |
| AAGGCCACGA | GGGGTTTTGG | ACCCTGGACC | CCGGACATCT | TCCAAGACTC | TTTTACATTA | 152220 |
| TGACAGACAA | GCCAGTCCTG | CTTCAGCTCT | TCTAACAACA | TGTAGTAATA | ATGATATCAT | 152280 |
| CAACATCATC | TTCGTCTTAA | TTATTCAAGG | ATGCCAAGGT | ACAGAACTAA | CCTGTTAATA | 152340 |
| TGGTTACCAT | CCTGTCCAAA | GTTCTTCTCC | CATGCAGGAC | TTCCAGGAAT | CATGAGACAG | 152400 |
| TTGAGCAGAA | AGATACCTTT | TCCCTTCTCT | ACTGAATAAC | CACCAACATT | GAGAATCAGA | 152460 |
| GAGGGAAAAT | GACTCAGCTA | ATGTCTTAGC | TTGTTATTGG | AAGACCCAGG | TCTCATGACA | 152520 |
| CATGCCTAGT | CCCATGACTT | TTAATTGTAA | GCTCTTCTCT | TTCCCCTCAG | ATAATGTTCC | 152580 |
| ATAAGCATT | GTATGAGATA | ATAATACACT | GAGGACCAAT | ATACATGAAA | AATATCAGAC | 152640 |
| TAGAATCAAA | CAAGACAGAA | AAAAGATCTG | ATAACCTAAA | GTGAGATACT | GAACAGTATG | 152700 |
| CAGTTTTAAA | AATAAAAAAT | GGTAATAGGA | TGTTCTAACA | AGAGAGTTAA | GAAACCACTG | 152760 |
| TGCTACTGAG | TTAAATGTTG | ATCAGTTGGT | CTGTGACAAT | TAAGGAATTC | AAGTATTCAG | 152820 |
| AAACACTTCC | TGTGCTGGAT | GCTCTCTGTT | TGTTCTTCCA | AATAATCCCT | CACTTTTCCC | 152880 |
| TGTCTTGCTC | TGTGCCCAGG | AAGGCTGACA | TGGACAGATT | AACCAGGCTT | TCCGCCCTCT | 152940 |
| GGCTTG GTTC | AGCCAATGGG | AAGCACCAGA | GGAGACCATA | GGGCACAAAG | AAGCAGCCTT | 153000 |
| GGGAGTATTC | AGTACCCCAG | TCCCACGCTA | TGATTTGGAG | GGTCTGCATT | CCTCTGCCTC | 153060 |
| TGGGCACACT | CTAGTATAGT | TACAGCTCCC | TACACCTGCC | ACTTGAGGCC | CAGAGGAGGT | 153120 |
| GATGGCTCTC | TAACTGTTCC | TAGTTCTGGG | TGCTTCTCTGT | TCCTTG TGGA | TTTCCCAACT | 153180 |
| CCTCACCTTT | GTAAATACCC | TCCTTTTTTCA | AACTCTATT | AGTTAGCTTT | TATCAGCCTG | 153240 |
| ACTCACAGAA | GTTTG GGGTT | TCAATTCATA | TTACCTGAAT | GACCCAGGAA | AACCCATGTT | 153300 |
| GAGAAATTAA | AATGTTTACG | GGGTGGTAAT | ACCACTTAAG | AGAAAAAATA | TCAATTGGAT | 153360 |
| TTTTAA AATT | CCACCTATCT | ATTGGTGTGA | CACATCAACA | AAAACATATA | GAAAGATTGG | 153420 |
| AAGCTAAAAG | ATAGATAATA | TAGTCATATA | CTGTTATAGT | ATTATATCAA | AAGATATTAA | 153480 |
| GTCAGAGCAT | TATTAAGAAT | GGAAGAAGGG | CCAGGTGTGG | TGGCTCATGC | CTGTAATCCC | 153540 |
| AGCACTTTGG | GAGGCCAAGG | CAGGCGGATC | ACTTGAAGCC | AGGAGTTCAA | GACCAGCCTG | 153600 |

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| CCCAACATGG | CAAAACCCTG | GCTCTACCAA | AAATACAACA | ATTAGCTGGG | CATTGTGGCA | 153660 |
| CATGCCTGTA | ATCCCAGCTA | CTTGGGAGGC | TGAAGCACAA | GAATCACTTG | AACCGGGGAG | 153720 |
| GCAGAGGTTG | CAGTGAGCTG | AGATTTTCGCC | ACTACACTAC | AGCCTGGGTG | ACAGAGAGAG | 153780 |
| ATTCTGTCTC | AAAAAAAAAA | AAAAAGAAAG | AATGAAAGGA | GTCACCTAAA | AAAGATAACA | 153840 |
| CAATTTTAAA | CATAAATGTA | CTACATTATT | AGTGAATTCA | TGTTTAGAAT | TGTGTTAATA | 153900 |
| TACAAAGCAA | AAATTGTAGA | ATTATAGGAG | AAATGGACAA | ATCTACAATC | ATCATGGGAT | 153960 |
| GTTTTAACAT | TCTTCTTTCC | ATAATTGATA | GATCAGGCAG | ACCAAAAGAA | AGAAATAAGG | 154020 |
| GAAGATACGG | AAGGTCTGAA | CAATCTAAGA | AGCGCAATCT | CATAGTCAAT | ACATAAAGCT | 154080 |
| CAGCAATTGT | TTAATAATAG | TAAGCAGAGA | ATATGCAGTT | TTCTCAGGTA | TAGATGGAAC | 154140 |
| ATGCACTAAC | TGAGTAAATA | CTAGGCAGAA | AACAGTCTGA | ACAAGTTTCA | ATAAATCTGT | 154200 |
| ATTACACAGA | TCATTTTCTC | TAGCCTCAAT | ATAAGATTAT | AAACCAATAA | TAAAAAGATG | 154260 |
| ACTAAAAAGA | TTCTAAATAT | TAGGAAATGT | AAACTACTAA | TAAGTCATTA | GAAGATGTAT | 154320 |
| AGAATGGAAC | AATAATAAAA | AGTTATTTAT | AAAAATATAC | AATGAAGCTA | AAGCAGAATT | 154380 |
| TTAAGGAAAA | TTTGTAGGCT | TTAAATGCTT | ATCTTAGAAA | AATTAAAAAG | CTGAACATTA | 154440 |
| ATGAGCCAAG | CATCTAATTT | AAATTTTAAA | AAGAACATAG | AAAGCCAAAT | ATAATTTTTT | 154500 |
| AAAAAGAAAA | AATAGATATT | AAACAATATA | ACAGTGAAGT | TAAAGAAAAC | AAGAATGCAA | 154560 |
| TAAAGAGGAA | AAACAAACAA | AAAAAAAGGT | AGCTTCTTTT | AAAAGAAATT | TAATAAAATA | 154620 |
| GACATACCTC | CAATGAGATT | TATCAAAGTA | AGACAGAAGG | CACAAATGGA | ATGAATACAG | 154680 |
| AAACTTTTTA | AATATTACAG | AACTTTATAA | TAAATCTTAT | GCTACTAATA | AAATTGAAAG | 154740 |
| TACTGATAAA | ATTATTACTT | CCTAGAAAAA | ATATTTCTGA | GTAAAACTCA | CTCAAAAAAC | 154800 |
| AAATAAAGCA | TGGGCAGACC | TAACATTAAA | GAAATGAAAT | CACTACTTTA | AATTTTACCG | 154860 |
| ACAGATAATA | AAACGTGCAT | CTTTATCAAG | CAAAAATGGA | ACTTGTCAGT | TTTATAGGAA | 154920 |
| ATTTAGAAGT | CAAGGCATGA | GTAATGCCAA | TCTCATACCA | AATCCTACAA | AGAATAGAAA | 154980 |
| ATTATGGCTC | CCGCTTATAG | ACATAGATAT | AGAACTCCTG | CACAAAATAA | TATAAATAAC | 155040 |
| AAACCAAATT | TTATATTTGC | AACTATACAT | ATTATATGTG | TATGTATTAT | ATATGTTAAC | 155100 |
| ATATACATAT | ATAATATGTA | TAGCATATGT | TCTACATATT | ATATATGTAT | AGTGTATGTA | 155160 |
| TTTTACAATA | TATAAATGAA | AACCCAATCT | TTAATATATT | CATCTAGATT | GTCATATATG | 155220 |

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| ACATATATAA | TACATTACAT | CAAAAATGTG | TACAATAATC | AGGCCAGGCA | CAGTGACTCA | 155280 |
| TGCCTGTAAT | CCCAGCACGT | TGGGAGGCTG | AGGCGGGTCA | ATCACTTGAG | TCCAAGAGTT | 155340 |
| TGAGACCAGC | CTGGTCAATA | TGGCCAAATT | CCATCTCTAC | AAAAAATATG | AAAAATTATC | 155400 |
| CAGGCATTGT | GGTGCACACC | AATAGTCCCA | GCTACTCGGG | AAGCTGAGGT | GAGAGGATCA | 155460 |
| CTTGAGCCTG | GGAGGTGGAG | ATTGCAGTGA | GTCGAGATTG | CGCCAGTGCA | CTCCAGCCTG | 155520 |
| GGTGGCAAAG | GGAGACCCTG | TCTCAAAAAA | AAATTAAAAA | ATTAGCCAGG | TATGGTGGCC | 155580 |
| TGTTCTGTGA | GTCCCAGCAA | CTGGGGAGGC | TGAGGTGAGA | AGATCACTTT | AGCTCAGGTG | 155640 |
| GTGGAGCCAT | GATCGCACCA | CTGTACCACT | CGGCTTGGGC | AACAGAGTGA | GAGCCTGTCT | 155700 |
| CGAAAAACA | AATATATACA | CACAGTAATC | AATATATATA | TTATATGTAC | CAATCAATGC | 155760 |
| TTCACTTTTA | TATATAATAT | AGATTACATC | TTATTAGATA | TATAGTATTC | CTTCTCCATA | 155820 |
| GATAGATAGA | TACAGATATA | GACATAGTAT | CCTCTATCCA | TATTAGAGAG | AGGATACTAT | 155880 |
| ATATATCTAT | AGCATATAGA | GATGCTGTCT | CAAAAAAATT | TAAACATCAG | CCAGATGTGG | 155940 |
| TGGCCCATGC | CTGTAGTCCC | AGCTACTGGG | GAGGCTGAAA | TGAGAGGATT | GCCATTGATC | 156000 |
| CTCTCATTGG | TTGAGCCATA | ATCGCACTAC | TGCACCACTC | AGCCTGGGAG | ACAGAGGGAG | 156060 |
| ACCTGAGGTG | GAAGGATATA | GATATAGATA | TATAAATAAA | TATGTATAGA | GAGAATATAA | 156120 |
| TATATGTGTG | TATGTGTATA | TATATATATT | ATGAAGACAC | TGGGAGAGAA | TACTATATAT | 156180 |
| ATATGTGTGT | GTGTATATAT | ATATTATGAA | GACACTGGTG | GGATGGTTTC | ATTACCAATT | 156240 |
| GGACCAAGAG | TCCAGGTATG | GAGCCAACAT | GCAATGTTGT | TGTTGACTGA | GCTGGCAGAG | 156300 |
| CACTGGTCAT | AGTTACGGGA | AAAGAAGGTC | TCCAATGAGA | CATACTTAAC | AAAATATATG | 156360 |
| AACTTGCCAT | ATACGTGGAG | AGTTCTGGTG | TGTATATAGC | CTTCTCTCAC | CAACCTAGCA | 156420 |
| ATTGTCTTCA | TCATCATTAT | AATGCTATCA | GAGCAAAGAT | GACAGCTAAA | TTTTTTTGTC | 156480 |
| CCTTTCTTCT | TCTTTCTCTT | CCTTCCCCCTC | CCCCACCTCT | TTCTCTTCCT | CCTCCTCCTT | 156540 |
| CATCTCTCTT | CTTTTTTTTT | TTGAGATGGA | GTCTTACTCT | GTCGCTCAAG | CTGGAGTGCA | 156600 |
| GTGGCACAAT | CTCAGCTCAC | TGCAACCTCT | GCCTTCTGGG | TTCAAGCAAT | TCTGCCTAAG | 156660 |
| CCTCCAGAGT | AGCTAGGACT | GCAAGTGCAC | ACCACCACAC | CTGGCTAATT | TTTGTATTTT | 156720 |
| TAGTAGAGAT | AGGGTTTCAC | AATGCTGGCC | AGGCTGGTCT | CAAACCTCTG | CCCTCAAGTG | 156780 |
| ATCCTCCTGC | CTCGGCCTCC | CAATGTGCTG | GGATTACAGG | CGTAAGCCAC | TGTACCCGGC | 156840 |

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| CTCCTCCTTT | AATAGACAGG | GTCTAGCTCT | GTTGCCCAGG | CTGGGTACAG | TGGCGTGATC | 156900 |
| ATAGCTTACT | GCAGCCTCGA | ACTCCTGGGC | TCAGGAGATC | CTCCTGCCCT | AGTCTCCCCA | 156960 |
| GTAGCTGGAA | CTACAGGCAT | AGCACACGGG | GCTAATAAAA | TTAATTAGGT | GATAAAATTC | 157020 |
| ACTGCCCCACT | GATGACTAAG | CTCTTTGGAC | ATAAAAGACA | CAGACCTTGA | AGGAAAATGT | 157080 |
| GTCTACTTAA | TTTTGAAACC | CTATTTATCA | AAAAACAGGA | TGAAAATGCA | AAATGCCATC | 157140 |
| CACATGCCAG | AAGATATCAG | CTATAATAAG | TTCCCATAAA | TCAATAAGGA | AAAGAACCCA | 157200 |
| ATAAAAATTA | TTAAACCACA | GTAAATCATG | GGTAAATCAC | AGAGGCCTGA | AGGGCTAATG | 157260 |
| GACATACAAA | AAGAATCTCA | ATCTCACTAG | TGAAATCAGA | AAAGCACAAA | TTAAGTACAC | 157320 |
| AATTAGGTAC | CATTTTAAAT | CTGTAAGACT | GTCAAAATCA | TAAATTATAT | AAGTAAAGAC | 157380 |
| TCAGGGAGTT | TTGGAGGAGT | GAGAGCTCTT | ATATTGCTTG | TGGGGTAGAA | TTGGAACAAT | 157440 |
| TTCAAGATCT | GTAGTATCTG | GTAAAATTAT | GATATGCATC | CCTCACACCA | GCATGTCACT | 157500 |
| CCAAGGTATC | TCCCTGGAGG | GAACATTTAC | GGGACACAAG | GAAGCATGGA | TAAGAATGTT | 157560 |
| CACAGTAGTA | TTGTCTGCAA | CAGCAACAAC | AACAAAAAAA | CCCAACTACA | CACAACTTCA | 157620 |
| ATGCCCAGTC | CACAAGGCAA | TGGATTAAAT | AACTTCAGG | CCGGAGATGG | TGGTTCATGC | 157680 |
| CTGTAATCCC | AACACTTTAG | AAGGCCGAGG | CGAGAGGACT | GCTTGAGCCC | AGGAGTTCAA | 157740 |
| GACCAGCCTG | AACAAAATAA | AGAGATAGTG | TTTCTACAAA | AAATTTTTAA | AAAATTAGCC | 157800 |
| AGACGTGGCA | GTGCTTGCCT | GTGGTCCCAG | CTACTGGGGA | AGCTGACGTG | GGAGGATTGC | 157860 |
| TTAAGCCCAG | GAATTTAAGG | CTGCAGGGAG | CCATGATGGG | GCCATTGCAC | TCCAGCCTGG | 157920 |
| GTGACAGAGT | GAGACCCTGT | CTAAAAGAGA | TAAGTAAATA | ACAACTTTGC | ATTTTCTGCC | 157980 |
| ACATTGCAAA | ATGGTGAGAG | AGTGGTTTCT | AGACTCTAGA | CTCTTTCTAT | GACTACCTTC | 158040 |
| TAGTTATGAG | ATCCTACAAC | ACTCACCTAA | CCTCTCTGTG | TCATATTTCC | TCCTCTATAA | 158100 |
| AGCAAAAATG | CCCCATATAG | AGAGGACTGT | GATATAAAAC | AAGAACCAAG | AAAAGTAAAG | 158160 |
| CTTTTCTAAT | CTGTCACAGA | CTAAAGAGTG | CTCAGTATAT | GTGAGTCATT | ATTCTGGTG | 158220 |
| CTGGTAGGAG | TGTATGTTAC | AACTTTGAGT | CAAGTAATAT | GGTACCATAT | ATTAAGATTA | 158280 |
| ACAACAACCT | CGGCAATCCC | AGTTTGGGGT | ATGTTCCCAA | AAGAAATGAA | AGCACCAGGA | 158340 |
| TATAAGGATG | CATGGACTAG | AAAGTTATTG | TAGCAACATT | GTAATAACTA | AGTTCTAAAA | 158400 |
| ACAGCCTGAA | GCTCCATCAG | TAGGGATATG | GTTACATATA | TTTATTATAT | TCTTATGGAA | 158460 |

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| TATTAGACAT | AAAAAGTAAC | GAGTAACATA | GAAGAGACAG | TGTATATATG | TTACGTTTGT | 158520 |
| ACAAACTTAG | GGAAAGATAT | AGATCACCCCT | ACCTAGAGAA | GTCAGATTGG | AGACGGGTGG | 158580 |
| GAAAAACCTT | GAACCTTCTC | CTTATATCCT | TTATATTGTT | TGACTGATTA | AAATGTATTT | 158640 |
| GTTGCATCTG | CTTGAAGGCA | ATGTAAAATA | AAATAAACAT | ACATTTAAAA | ATAAAAATAA | 158700 |
| AATTTATTCC | TATCACTTTT | GTAATAAAGC | TGGGCACAGT | GACTAACACT | TGTAATCCTA | 158760 |
| GCACTTTGGG | AGGCAGAGAC | AGGCAGATCA | CCTGAGGTCA | GGGGTTTGAG | ACCAGCCTGG | 158820 |
| CCAACATTGT | GAAACCCCAT | CTCTACTAAA | AATACAAAAA | TCAGCCAGGC | ATAGTGGTGC | 158880 |
| GTACCTGTAA | TCCCACGCTA | CCCGGGAGGC | TGAGGCGCTG | GAACCCAGGA | GGCAGAGGCT | 158940 |
| GCAGTGAGCT | GAGATTGCGG | CACTGCAAGC | CAGCCTGGGT | AACAGCGAGA | CTCCATCTCA | 159000 |
| AAAAAAAATT | TGAAAAAAGA | AAAATTTTAA | TAAACAGTGT | TTAAGAGGGG | AGAAATATTT | 159060 |
| AGTTAAAAGA | TAAGCCCATT | TAAGAAATAG | TTTCACTTGA | CCCGGAAGGC | GGAGCTTGCA | 159120 |
| GTGAGCCGAG | ATCGCACACC | TGCACTCCAG | CCTGGGCGAC | AGAGCGAGAC | TCTGTCTCAA | 159180 |
| AAAAAAAAAA | AAAGAAAGAA | AGAAAGAAAG | AAATAGTTTC | ACTTGAACCA | TATTATGATT | 159240 |
| CCTTCTGTAA | AAGATGAGAG | TAGGCAAATT | GACTCAGTGA | AATCCCAGCA | AAACTTACAC | 159300 |
| AAAGTCTTGT | TCTTCCTTCC | TGTCATCTGT | ATAGGATGAA | ATACAGAGTG | CTTTTGGGTT | 159360 |
| TTGTTGTTGT | TTGTTGTTGT | GTATTTGAGG | GGAACACAGG | TCTATAATTC | CTTTTCTGAA | 159420 |
| ATCCCTGGAA | CAAAATGGGC | TTTGCCATTC | AAATTAGTTT | AGAAGTTATA | AAGGCAAAAA | 159480 |
| AATGCATATA | CTCTAAAGTT | CAACCCCATC | ATGGCCTAAG | GCAGAGCCCT | GTAATCAAAT | 159540 |
| TCATCAATAT | ATCTGCAGCA | AAACATTTAT | TCAAATTAAG | TGGGATAAAT | AAAGACTTTT | 159600 |
| AAATAGTCTC | ATCTCAGTGC | CGTTCAGGGT | TGGCCACTGT | GGAAGACAGA | CTCAAGGGTG | 159660 |
| GCCTTCTATG | ATTCTGCCT | CTTGGTGTTT | ACACCCTCGT | AAAATTCCTT | GTCTTTGAGT | 159720 |
| GTGAGCAGGG | CTTATGAATT | GCTTCTGACC | AATAGGATAT | GGCAAAGATG | ATGGGATATA | 159780 |
| ATTTCTATGA | TTACGTTTCA | TTATGTAAGA | CTCCATCTTG | CTGGCAGATT | TTCTCTAAAG | 159840 |
| AGTCTGTCTC | CTGAGCTCTC | TCTGAAGAAA | TAACTGGCCA | TGTTAGAAGC | CCATGTGCAA | 159900 |
| AGAGCTGAGG | GGTGGCCTGT | AGAAGCTGTG | GGCAACCTCC | AGCCAACAGC | CAGAAATAAC | 159960 |
| CAGGGCCAAA | GTCCTGCAAC | CATCAGGAAA | GAAATTCTGC | CTGCTACCTC | AGTGAGCTTG | 160020 |
| GAAGTGGATT | CTTCCTTAGC | CTAGCCTCCA | GATAAGAACA | CAGCCTGACC | AACACCTTAA | 160080 |

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| CTGCAGCCTT | ATCAGACCCT | AAGCAGCAGG | CCCAACTAAG | CTGTGCCCAG | ATTCCTGAAC | 160140 |
| CACAAAAATT | GAGATAACAT | ATCAGTGTG | TATTAAGGTT | CTAAATTATG | GTAATTTGTT | 160200 |
| TGTACTAATA | GATAACTAAT | ATAACCACCA | AATCATTTCA | GGTTAGGCCA | GATTTTTGTA | 160260 |
| GCCAAATGAA | TCATGATAAA | ACTTTCCATT | TTCAGGGGTT | TTTTTGATTT | TGTACTTACG | 160320 |
| GATACAAATT | TGTGAAAGTA | TAGTCAGCAC | TGATTTAAAA | AATCAAGGGA | GCAGGAAACT | 160380 |
| CAGTAAATGG | TTCTAACATT | TTGGAATCTG | TAAATTGGTT | GTAACATTTG | TCATCTGTGT | 160440 |
| TATCTAAGTC | AAGTTCCTAA | AATATGTGAA | TGATAGGTTA | TCATACTCAC | CTACTTTTCT | 160500 |
| TGCATTGCTC | TAAGAGTTGG | CTGAGCTATT | GATAATAAAC | ACTATGATCA | GATCTAATAC | 160560 |
| CATGATGTGC | TATTATGATC | ATGTGTCAGT | CACAGGGCTA | AGCACTTTGT | ACATGTTGAT | 160620 |
| GCATTTAATT | TTGATGATAA | CTCAATGAAG | TAGGAGCTGT | TAATATTTTC | ATTTTTCAGA | 160680 |
| GGGGGAAACC | AAGTCACTTG | GAGTAACATG | GCTAATAAGT | GAAAGAATAA | GAATTTGAAA | 160740 |
| GGTTTGACAC | GATAACCAGA | ATGCAATGCT | CATCACATTC | ACTGAGCAGT | GAATCATACT | 160800 |
| AACTAGAGAA | AGTATGAAAG | CTCTACTGAA | ATTAATAAAA | CAACCTCTCT | GGCTGTGAGC | 160860 |
| CTGCCAAGGG | ACAGGTGGTA | AACTTGGTTA | CTGCATAAGG | CCCCTTCTAT | CCACAGTATT | 160920 |
| CAGGAATTCT | TTAGTGAACA | TACCTTGATG | ACTCCTTAAC | ATTTTCTTCA | CATCGAAGTA | 160980 |
| AAGCTTGGAA | ACATTGCACA | TAGTATGAAG | TTCCAAGGAG | ACAGCCTCTG | ATGTTTCCAG | 161040 |
| CTTCACAGCC | CAACTCCTAG | AATAAGCAGA | GGCGAGAGAT | TTCTTCAGAG | GTGCATTCCA | 161100 |
| TTCATTTCTA | TATACGCACA | CCCCTCCCCT | CCTGCATTCA | AACAGGACTT | ACCTGCTCAA | 161160 |
| AGTGTCATTC | ACATTCTATA | AAGAAACAAA | AAGAAAAGGT | GAGCATGGGA | ACATCGGTAT | 161220 |
| TTCATGGGGC | TTGTCATGCA | GGGCTATTCT | TCTTTGCTTT | ACCCGAAGAA | GTAAAGAGAG | 161280 |
| TTACCCTAGT | CTTAGTCTTA | GATATTGATG | GATACTCAAA | CAAAGTAATT | CCCACCAGTC | 161340 |
| TTAGGTATTG | ATGGATACCC | AGATGGAATA | ATTCCTACCA | GCTTCTGGGA | GATTTCAGCAT | 161400 |
| GGCAGGATGT | TTATCAACAT | TTGCATCTAT | TCTCATCCTT | GCTGAAGTCT | GAGGGCCAGG | 161460 |
| AGCTTTGTCC | ATGCTCCCTC | TGTAAGGACT | AGCTTTTGGT | GATCGGATTT | CCTTCACAGT | 161520 |
| GAGCCCAGAT | TAGAGAACAC | TTATCATAAA | GGTCCTTAGT | GGTGAATCTG | TGCACAGCCC | 161580 |
| TGAGACTGGG | CCACTGCCAC | TAAGATGGTG | GTAGCAGGTA | TCACACAGTG | GTAAAGCAAT | 161640 |
| CATGCTATAC | ACTCAGCCTT | ACAGTATAGT | CACCAATCCT | GTTAGTTAGA | ACCAGAATTA | 161700 |

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| ATGGCTCCAG | ATGTTTATCT | TCCTACAGAT | AAAGCTGTAG | ATTGTACCAT | AACAGCTCTG | 161760 |
| GAGCAAGGGT | TCTACAAGCA | AATCAGGGAA | AAGGTTATCA | CTCATTTTGG | CTGCCCCACT | 161820 |
| TCATCACCCA | TCAGTCACCT | AGTGGAGTAT | TTCAGGAGAG | AGTCAACAAC | CAGGGTTCTC | 161880 |
| TGCACATGGG | CCAAGGAGGC | AAACAGTGGT | AAATGTTATC | CCGTGGTTTC | ATTTGGCCAA | 161940 |
| GCTGTGTTCC | CTCAGAAGTT | TATTTTTTCTA | ATTGACATAA | AGGTACCCTA | TAAATTAGTG | 162000 |
| AAGGCCAGCC | TGATGGCACT | GATGTACATC | TAAAAGAAAC | ATTACTTTAT | CTTCCCATGC | 162060 |
| TTCCTTACCA | TTCTCCTTTA | ATAGCACTAT | AACATACCTT | TTTTCCCTAC | TCCAAGTACA | 162120 |
| CAGCCTCACC | TGCAGCAATT | TCTGGGCTGA | GCCCTGACAT | TTTTCCCTCA | GTTCCAGGAT | 162180 |
| GTGGCTCTTG | AGTTCATTGC | TCTTCAGCCC | CAGACCAGCC | TCATAGTCCC | TCAGTCTACT | 162240 |
| CAGAGTCTGT | TGTTCTTCTT | TCTCCAGCCT | CCAGAGATAA | GACTTCTCTT | CCTCATGTAG | 162300 |
| GAAACACTGG | AGATTCTTAA | AGTCAGACCG | GATTTTTTGT | CTCTGAATCT | GTACCTTCTC | 162360 |
| CTGGAGTCAA | GAAAGTATGG | TCAAAAGGTG | GAAGTAAACC | AAATGTCCAT | CTATGGATGA | 162420 |
| ATGGATAAAC | AAGAATGAAA | GTCTGACACA | CGCTACTACA | TGACAAGCCT | TGAAGACATT | 162480 |
| CAAGCAAAAT | AAGCCAGAAA | CAAAGGGCA | AATATTGTAA | GACTTTGCTT | ATACAAGGCA | 162540 |
| TCTGGAGTAG | TTAAGTTCAT | AGAGACAGAA | AGTAAAATAG | TGGTTACAAG | GTGTTGGCAA | 162600 |
| GACCAGAAAA | TGGACAGTTA | TTGTTTAATG | GGTAGTGAGT | TTCAGTTTAG | AAGATGAAAG | 162660 |
| ATGAAACTGA | GTTGCAGTTT | GGAGATGGGA | ATGGTGATGG | TTGCACAACA | ATGTAACAAT | 162720 |
| GTAAAAGCAC | TTAATTCTAC | TGAACTATAT | ACTTAAAAGT | GGTTAAATGC | TTAAGTGTTA | 162780 |
| TATATATTTT | CACACAAACA | CACACACACA | CACAATCAGC | CACTGGGACA | TTATTTTCTC | 162840 |
| ATGAGTCACT | GAAGCTGGAA | GAATGTCCCC | AGTTTCCTGC | TGCAGAGTCA | TGTGTGGGAG | 162900 |
| GCAGGCACTC | AGATGTGGAA | GAGGTTGCCT | CAGATTCCTT | ATAGTCACCC | AATTAATTTT | 162960 |
| CTTGTTCTTC | AGCCAAGACA | CAGGAGAAAG | CTGGGTTAGG | AGTGCTAGAT | AATTTAATTG | 163020 |
| TGAAACTAGG | GCCAAGTTCA | AACACTTTAT | CAGTTACAAG | GATAAAAAGA | GGTTTTTACT | 163080 |
| TATGATTTAA | GAAGTTAGAT | TTCTGAGTTG | GAGCGATTTT | CTTGAAGTAA | AAGCTTATAA | 163140 |
| TGAACATCAC | CCAGACTGGA | TTTTAAGACA | ACCAGGCTGG | TAAGAGGGTC | CATAATTCTT | 163200 |
| GGCAGGGGGA | GCTTTGAGTG | TGACAGGCAT | TTATTATGGT | TAACTGAGAA | ATACTGTTCT | 163260 |
| ACTACCCTAG | GGTCATCTTA | AGCATTCCTA | TGTGTAAGAC | TGACAGAAAT | CAAGTGAAAC | 163320 |

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| TCTCATCTGA | GGAGATGTAA | AGTTGCAATT | TCCATTAGTG | CTGTCTAAAT | TAATGCAGTG | 163380 |
| GGAGTGTGTA | TTCAGGGCAA | TTTGAATCTA | TGTTCTTGGA | TTGCAGTCTT | CAAACCTGGC | 163440 |
| CCAAATAAAC | TCTCTACTTA | TCTTAAAAAA | ATAAAAATTA | AAAAATAAAA | ATAAATTCAT | 163500 |
| ACAGTGTTTT | GATGACTATG | ATATAGAAGA | AGGGTCTTTG | ACTTAGGATG | AGGTGGAATT | 163560 |
| TTTGTGTAGG | AGACAGGTGC | AGCTTTAACT | CTTGTATAGA | CGGGTTTTCA | TATATGTTAG | 163620 |
| TTACAATCAA | GGTCTTCCCC | ATTGCCCAAG | ATCCTAGAAA | TGGGGGAAGT | AAGAGTGTAC | 163680 |
| TCAGGAGCTC | AAGAGCAACA | TCCACAAACA | AAGATCAGGG | TAGAGGTTAG | AGAGGACTCC | 163740 |
| TGAAAGAGAG | AAAATTGGTA | ATCAGCTTGT | GGGATTTTAC | TGCAAGCTAG | TGAATTATAT | 163800 |
| AAATATAAAG | ATTGGTGCAA | AAGTAATTGT | GGTTTTTGCC | TTTACTTTAA | TGGCAAAGAC | 163860 |
| CGCAATTACT | TTTGCACAAA | CCTAAATATT | TCCATAAAAG | AATGTGGCTC | TGATAATGTG | 163920 |
| GAGGTTAGTC | AGCCACGGAA | ATAATCTGAA | AGTTTGTAGT | TGCAAGTGTG | TAGGTTGTTG | 163980 |
| CATTACTTGT | GATGTACTTA | TAAATCAAGT | ATAGGCCGGG | TGCAGTGGCT | CACGCCTGTA | 164040 |
| ATCCCAGCAC | TTTGGGAGGC | TGAGGTGGGT | GAATCACGAG | GTCAGGAGAT | CAAGACCATC | 164100 |
| CTGGCCAACA | TGGTGAAACC | CCGTCTCTAC | TAAAATACAA | AAAATTAGCC | AGGCATGGTA | 164160 |
| GCACATGCCT | GTAATCCCAG | CTACTCAAGA | GGCTGAGGCA | GGGGAATTGC | TTGAACCCGG | 164220 |
| GAGGTGGACA | TTGCAGTGAG | CTGAGATCGC | ACCACTACAC | TCCAGCAAGA | CTCCATCTCA | 164280 |
| AAAAATAGTA | ATAATTTAAA | AATAAATAAA | TAAATAAAGT | ATATTTCTTT | CATCAGCTTC | 164340 |
| ATGAGCTAGA | GTAGTATGAA | TTTCAATCTG | GAGTGATCCT | GTTTTCTAAG | TGTTACACAA | 164400 |
| GCTTGGTTTC | TGTACCTGTA | AAGTTGAGAG | CCAGATGCTC | CACTGTGGTA | AAAGTGCCAG | 164460 |
| GGTAATGAGT | TGAGGCCTGC | AAACCAGGTT | TATTTTGACG | TATTTAAAGT | TTGAGACCCA | 164520 |
| CTCGATGCTT | TTTCTAGGTA | AATAGTCATA | CTAATTCTGC | TTCTTCTGAC | TGAAGTATCA | 164580 |
| GGAATCCCAG | CCAACTACAG | TTTAAAGATG | GAAAGATTGG | TGCTAAATAC | TCATGGATGT | 164640 |
| AAACCTGGAA | CCAGGGGCAT | AAGTACAAAT | AATGGTTTCT | TCCTTGGGTT | TCATTTTTTC | 164700 |
| AATCTGGTTT | AGTGAGAATA | AATCCTCATT | GTGCTTTTCC | TCAATCATCC | CCTATGCCTA | 164760 |
| AGCTCTAGAA | TGGAAAATAG | CTTGAGATCA | ATGAAGTCAG | ATTCTTACTT | TCCATTTAGT | 164820 |
| TATTCGCATT | GCTGTGGACA | GCTTCTGCTC | CGTACATCTG | TCTTCAAGTT | GCTTCAGTTT | 164880 |
| TGTCACAGCT | TTCTGGAGCT | TTTCCTGAAG | GAAAAATTTG | ATAAGTGAAG | CCTATTCAAT | 164940 |

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| TTGACTCTTC | ATTAGGGACC | TAGGGGGAAT | CCCAATCTTC | TAAGATATAT | TTGAATAATA | 165000 |
| GTGAATATTT | ATAGAGTCCT | CATTGTTTTT | TGCTAGAGAG | CATGCTAAAG | GCTATATGTG | 165060 |
| CAGGAACATA | CTGATCCCCT | TGGCAACCCT | GAATAGTTGG | TAGGATTTTA | AACTTCATTT | 165120 |
| CTGTGCTGTA | GAAAATGAGA | CTAAGAAAGG | GGTAAAATAA | CTTGCCCCAA | GGGCTATGAC | 165180 |
| TGCCAGGTGG | TGGAGCAACA | ATTGCAATCT | CATCTGCTGA | CCCAGAGCCT | GAGCTATGTC | 165240 |
| CACCACTAGA | GTCCTGCCAG | GAAAAAGTTG | GATATAGAAC | AAGGTAATCA | TCATCTAAAA | 165300 |
| GATTTTGTAA | AACAACATGC | TGAACCAAGC | AAAACCAATA | CCAGTGTTTG | GCACACATGA | 165360 |
| AATTTTGTGT | CTTATGAGTC | AGGAAAAATC | AGGATGCCAG | CTGGTTATTA | GAAACAGTTC | 165420 |
| ATGGAAGAGG | GGAATTCTGG | TATCTTTTGA | ACAATGGTAT | CATGAATCCA | ATTTAAAATG | 165480 |
| ATTTAGTATT | CATGTCAAGC | TTTTAGCTTA | TTCTTCAAAA | CAGTTTCTCA | TATTTCTATT | 165540 |
| GAAAGTGATT | TGAAGCTGAC | CCAAATTGCT | AATTGTAGTC | AATGCTGAAA | GAATTGTCTC | 165600 |
| CTGTCTCTG | TAAACCCAAC | AAGTATACTC | ATTCATTCTC | GAGTGTTCTC | AGGAAAAGGT | 165660 |
| TCTATGTAAC | TGTTTTAGCA | AAAGATGACA | TTGTCCTTAC | TATATGCCAA | GTGCTATTCT | 165720 |
| ATGCATTCTA | TATTTTAATG | TCCTCAAAGC | TTATAACCAC | CTCCTGTGTA | TGTGTTTTAG | 165780 |
| GGAGGGAGGA | CACTGCTATT | ATCCCCATTT | ACAGATGGAG | AAACCAAGGT | GTGAAGACAT | 165840 |
| TAAGTAACGT | GCCCCAAATT | GCCCATCTAG | TAAGTGACAA | AACTCAATTT | CAACATAAGC | 165900 |
| TGGTTCCTTT | TCTTACTACT | TGGTGGAATA | GTAATTCAAA | TGGGAATATG | ATCATCGCAG | 165960 |
| TTATTAGCTG | CTCCATGGAG | TTTAAGGAAG | AGCTGCCATG | AGCTGAGTGG | TGGTCATGAT | 166020 |
| TGACATGTCC | TTAGAAGGAC | TTAGAGCCTT | CATACAAGAC | CACCTCTGCC | TCATGGAGGA | 166080 |
| CAGAATAAGG | AGCCTGACAC | TGGAGACAAC | ATTTTCCTCA | AATTTAGGCA | GGACAGAGAA | 166140 |
| GGAAAAAGGA | CATCAGGACT | ATGCCCATTG | CTCCATGCTG | CCAACAGCAA | AGTCCCACCT | 166200 |
| TCCTTAATAT | GCTTTCTGGC | AAGAAATCTG | GATGGTACAC | AAAACCTCTC | CCTCTGCTTC | 166260 |
| ACCTTCCACA | ACCAAGCATT | TCCAAATCTT | TGACTCTTCT | TCCTGAATCG | TGCTTAAAT | 166320 |
| CTGCCCTCTC | CTCCCTTTCT | TATACGGATA | GTTTGAATTT | TACTCCTTGA | TATTCCTTTT | 166380 |
| ATCATAGACA | TGCCACAGTA | GCTGGGCACA | GTGGTTCATG | CCTCTAATCC | CAGCATTTTG | 166440 |
| GGAGGCTGAG | ATGGGAGGGA | GACCAGGGGT | TTGAGGCCAG | TATAAGCAAG | AAAGGCAGAC | 166500 |
| CATGTCTCTA | CAAAAAATAA | AAAAATTATC | CAGGTATGGT | GGGGCATCCC | TGTAGTCCTA | 166560 |

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| GCTACTTGGG | AGGCTGAGGT | GGGAGGATTG | CTTGAGCCCC | AGAAGGTTGA | GGCTGCAGTG | 166620 |
| AGCCGAGATT | GCACCATTGT | ACTCCAACCT | GGGATACAGA | GCAAGACCCT | ACCTCAGGAA | 166680 |
| AAAAAAAAAA | AAAAAAAAAA | AAAAGTAGAG | GTACCAGAGT | GATATTTTCA | ATGTCACTGA | 166740 |
| CCCTTCATTC | CCCAAATGAA | AATCCCCCAA | TAGGTGTTCA | ATTTTTACGT | GTCCTTCAGG | 166800 |
| AGTTACTTCT | AAGATGAACC | ACTCTCTACC | CTAAATGTCC | CTCCCCACCA | CCAAAACCAG | 166860 |
| GGACCTCCAG | GCAGACATTT | TTGATGGTTT | GTTTTCTTTA | CTAGACTGTA | GATACCTAAA | 166920 |
| AGGTGATGGG | TCTTTCTTCC | CTGTTTTTCAG | GCCCTACTGC | ATGGCTTTAC | ATATTGTGGT | 166980 |
| TTTTCAAATG | ATATTCATGG | TGTGAAACAA | GAAAAAATGC | GGGTGTTTGG | TTTGAGAACA | 167040 |
| ACCTGTTCTA | AAGCAAAAAG | AAATTCATCA | TAACACAAAT | GGATAGAGAT | AAGAGTCCAA | 167100 |
| CCATCCCATT | GAAGGTCAGG | ATGGACAGTC | TAGATAATTG | AGCAAGAAAT | CATCATAAAC | 167160 |
| TATTTTTTCAG | AAGAATGACA | TGATGAAAGC | TGTATTTCCA | AGTCATAATG | TTAGGTTTCA | 167220 |
| AGTTAAATCA | TCTCAGCTCC | TGGGGAGCAG | GATAAGACTT | GGTACTTACC | AAAGCTCCCG | 167280 |
| GGCCACACA | CTCACCTTGT | AGCCCTGGCA | TACGTCTTCA | ACAAGAGCTG | TGGTGTGCCC | 167340 |
| TTTGTGCTGT | GGTGCCCGCT | CACAGCGCCA | GCAGATGAGC | TGCCCCCTCGT | CTTCGCAGAA | 167400 |
| CAGGTGGAAC | TGCTCTCCGT | GTTCCTCACA | TGACATTTCT | TGATCCGTCT | CTTTGAGGGC | 167460 |
| TTCAATGAGG | CTTCCCAGCT | GCTTGTTGGG | TCGGAGGCTA | TCCATATGAA | ATGGAGCCCG | 167520 |
| AACTGGGGA | CAGCAGAATG | TCTCCTGCCT | CAGTTGCTTT | TGGCTTGGGT | TTTTAAAGAA | 167580 |
| GTCTGTTATA | CACAAGTGGC | AGTAGCTGTG | TCCACAGTTG | ATGCTTACTG | GGTTCGTCAT | 167640 |
| CAGGCTCAGG | CAGATGGAGC | AGGTGGCTTC | CTCCATCATC | TTCTTGGTGC | TGGTGGTTGA | 167700 |
| GGCCATAGCT | TTTATTGAAA | AGCTCCAATA | TTGGCTCTAG | AGATGGAGAT | GAAGCAGCCA | 167760 |
| GAATTTTCCA | CCGTGATGAA | AATACACCTC | ACCTGCACCT | CTATGTGATG | AGCTGGCTGC | 167820 |
| AACTGACTTC | CATAGGTCTT | GAAGGTTTTT | CTTCCAACCC | CTATTATCTC | ATTTTGTATT | 167880 |
| GAAGAAAAGA | GGACCTAAAA | GGAAGAAGTT | GAGGCTGAGG | TTGTTTGGGC | CACGTTTGAG | 167940 |
| AACTGCAACC | CAAGTGCAGA | GTTTCAAGTT | GCCCTCATTA | GCAAGCAGTT | ACAAGTGGTT | 168000 |
| GTTTAGAGGA | AAAAAAGCAG | TTTTAAAGCA | GTTTTAAAGT | TGTTTGCCAA | GAATTTACAT | 168060 |
| TAAAATAGCA | TAAGCTTTTG | ACTGGCTATA | CATTGTTCTT | TGTATTACAA | ATCTCGGGAA | 168120 |
| TATGTAGGTA | ATAGATGAGG | CAGCCAGTCA | GGAACAAAAT | GCTTTTAAAC | ATGGGGTCTT | 168180 |

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| AACTGAAGAC | CTATACTCCT | GCCTCACTTG | TCCTGATAAA | TTTTGCATAC | CTCACATAGC | 168240 |
| TCAGACTGCT | CTAAATTATT | TCATTATTTT | TCTTTTCTCA | GTCTTCTAAC | TTTTTTTTTT | 168300 |
| TTTTTTAATG | AGACGGAGTC | TCACTCTGTC | ACCCAGGCTG | GAGTGCAGTG | ACGCTATCTC | 168360 |
| GGCTCACTGC | ACCTCCGCCT | CCCGGGTTCA | AGCGATTCTC | CTGCCTCAGC | CTCCCCGAGTA | 168420 |
| GTAGCTGGGT | CTACAGGTGT | GCACCACTAC | GCCCAGCTAA | TTTTTGTATT | TTTAGTAGAG | 168480 |
| ATGGGGTTTC | ACCATGTTGG | TTGGCTCGAT | CTCTTGACCT | TGTGATCCAC | CCGCCTCAGC | 168540 |
| CTCCCAAAGT | GCCAGGATTA | CAGGCATGAG | CCACCGTGCC | CAGCCTCTTT | TTCTTTTCTT | 168600 |
| ATAAGACAAG | TTCTCGCTCT | CTTGCCCAGG | CTGTAGTGGA | GGGCAGTGGC | ATGACCACAG | 168660 |
| CTCACTGCAG | CCTCGACCTC | CTGGGTTTAA | GCAATCCTCC | TGCCTCACCC | TGGCAGAGTG | 168720 |
| GCTGGGACTA | CAGGTATGTG | CCACCATGTC | CAGCTAAAGT | CTTCTCTCCA | GAAAGAAGAA | 168780 |
| ATGCATTGGA | ATTTAGAGGA | TACACAAACA | TCTAGCTGTA | TAGCTAATAC | AGTAGCCACT | 168840 |
| ATCATGAGTA | GGAATTTAAA | TTTAACTTAA | TAAAAATTAA | AATGAAAAAA | TTCAGTTTTT | 168900 |
| CTGTTCCAGT | TGCCACATTT | TGATTGCTTA | ATAGTTGCAT | GTGACTAGTG | GCTACATAAC | 168960 |
| AGCCTCAATA | TACAACATTC | TGTTATCACA | GAAAGTTACC | TTGGACCAAG | TGCTGGGAGA | 169020 |
| AGCAATGCAG | GCTTCCTCAC | AAAAGCTGTA | AAAGAGAGAA | CTCAGGGAGT | GTGAAACTCT | 169080 |
| TTCTATTCT | AGTTAACTTC | AAGAATAATT | GTTACCAGGC | CAGCACGGTG | GCTCACGCCT | 169140 |
| GTAATCCTAG | CACTTTGGGA | AGCCGAGGCG | GGCAGATCAC | CTGAGGTCAG | GAGTTTGAGA | 169200 |
| CCAGCCTGAC | CAACATGGCA | AAACCTCATC | TCTACTAAAA | ATACAAAAAG | TTAGCTAGAT | 169260 |
| GTGGTGGTGC | ACACCTGTAA | TCCCAGCTGC | TCAGGAGGCT | GAGGAAGGAG | AATGACTTGA | 169320 |
| GCTCCGGAGG | GGGAGGTTGC | AGTGAGCCCA | GATTACACCA | CTGCACTCCA | GCCTGGGTGA | 169380 |
| AAGAGCGAGA | ATCTGTCTTA | AAAAAAAAAA | AAAGAATAAT | TGGTACCAGA | ATTACTCTTT | 169440 |
| GTAATTAGTA | GTAACACTTA | TGCAATTGGG | TGATCTGTGA | CAGATTCCAT | TGAAGGAGTA | 169500 |
| TGGGGAGCTT | CACCCCAATA | TATGACTCCC | TGGTATAATG | AGTATTTTGA | ATTAAAGGCC | 169560 |
| CTTAGAGATC | AGCAGATGCT | GGAAGAGACT | TTTCCCCTAT | CTACATAAAG | ACCAGTCACA | 169620 |
| CTAGACAAGA | AGAACAATTG | TTTTTCCTTC | CAACCCCTAT | TATCTCATTT | TGTACTGAAG | 169680 |
| AAAAGAGGAC | TAAGAATGTA | ACCAGACCTA | ATCAGACACT | TTCACAAAAT | AATGTCTGTC | 169740 |
| TCTCAGGCTC | ATTCATTTTC | CAAAGAGAAC | CATTTACAAG | TTAAACTCTG | TTCTCTCATT | 169800 |

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| CATTCATCCT | CCCAAATATT | CATTTATTCT | CCCTAGTAAT | CATTTACTGC | CCCTCAAAGA | 169860 |
| ATTACCTATA | TTCTCCTGAT | ATCACCCCTC | CCCTCTGAAA | TAAATATGTA | TACATGTATA | 169920 |
| AACGTTATAC | ATACATATTT | ATACAGTATA | CATACATATT | TATACATACA | TACATATGCA | 169980 |
| TACATATTTA | TATTTATGTA | TTTATACATA | AGTATTTATA | AATAAGGCTA | TATAAGTATC | 170040 |
| TACCCCCATT | GGCAGAGGGG | GTAATCACTC | TGTGATTCTA | GCCCATGTAC | TTGTTAATAA | 170100 |
| ATTTGTATGC | CTTTTCTCCA | ATTAGCCTGC | CTTTTGTGAG | TCGATTTTTC | AGTGAACTTC | 170160 |
| AGAAGGCAAA | GGGGAAGTGT | TCCCTTGGCT | CCTACACCAT | CATGACAATA | AAATTTGACT | 170220 |
| CCACCTCGAC | CCCCCCCATC | CCCCACAAAG | AACAACAACC | AACACTGGTT | AATAAGGTCG | 170280 |
| GTTGTTTTTT | GTTTGTGTTT | TTGTTGTTGT | TGTTTTTGCT | TTCAGGAGCA | GAGGTATAAT | 170340 |
| AGGCAAAAGA | AAGAGAAAGG | AGAATAGTGA | ATACCTCTTC | TGCAGAGAGG | GGTGCCTAAG | 170400 |
| TGGGACTTCC | CTGGCTAATA | ACGTCTTGCT | AGAGACCCAA | CCAGGAGGAT | AATGGAAGCA | 170460 |
| ATCAAGGCAA | CCAGAACAAC | CAGAAGAACC | GGTTTATCCT | TTTTGTGCCC | TCTCCCTAAA | 170520 |
| CTGAGGGAAT | AAGAATTGGA | AAGAAGGCTG | CAGAGCAGAG | GGTTTGCTCC | TGAGGAGCAG | 170580 |
| TTATTTCTAT | GGGATCAGAG | CTCCTGCAGA | ACTGGGGAGT | TTACTTTTAC | TATCTCTTCT | 170640 |
| CCAGGACAGG | ACCTATCTCA | AGAGACATGT | TCAGAGTGAT | TGCAACATAA | AGAGTTTGCA | 170700 |
| GACCCAAGGA | GGTAGGGAAG | GCAGAAAGAA | GATGGGGGAG | GCCAGGGATA | GGCAACAGAG | 170760 |
| GAGTGACCAG | GAGCGAAAAA | GCCTGCCTCT | TCTGAGAACC | TAGCTGGGCT | CTCCCTGTAC | 170820 |
| CCCCGATCCC | TCCCCCCCCG | CCGCCCCCAC | ACCCCTACTC | CTGGGAGCTC | CTCTAGGACA | 170880 |
| GGGGCAGAGT | CAGGAGGAAG | TTTGAAGAGT | GCCTAGAATA | AAAAACAGTA | ATTTAACACT | 170940 |
| AATTACCGGG | TAGGCTGTTT | TCCTCTCACA | ATTTGATCAG | TCTCTTGAAG | CCACACAGAA | 171000 |
| TTTCTTCTGA | AGACGTGTAT | TCCTTGGCAG | GCTATTTCTC | CCAGTGATAC | ACCAGGCCCC | 171060 |
| TCTCTGCTGG | GGTCACTGCT | CTTCTGGGGA | GATGGGGCTC | CCCTCCTTCC | AAGGCTCCAG | 171120 |
| GGTTCCTGTC | CTGGGCCCCA | CTCATCTAAG | TTCTGAATCT | TCTGAGATTT | GGTGTAAGT | 171180 |
| CTGGTGAAAG | AAAGAGCAGG | AAAGAGGTGA | GAGCTGTAAA | ACAAAGAAAG | TCCTGACCAT | 171240 |
| TTTCAGAGTT | GGAGGGGCCC | TGCTGTCACG | AAATATATTC | CCCACCCAC | TTGCCATCAG | 171300 |
| TACACACTCA | CATATCCACT | GAGAAAACCT | TAGCCTGGAC | CTTTTCCGTA | ACCTTCACTG | 171360 |
| CTCAGACACT | TACATATTCG | CTGCTAGTCC | CCTCTGTTGC | TGCCACTTCC | TGGGTCAGGA | 171420 |

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| AGTTAACTCA | GACCGGATTA | AACTGAGAAG | TGAAACTACT | GTGGGAGGCG | GGGCTCATAA | 171480 |
| GATTTAGGAG | AAAAC TAGTG | ACGTTGTTCA | TATCATTTGC | ACTCCGCCTC | TCCGGTAAAG | 171540 |
| GAGGGGGAAA | CGTAGGAAGA | AAATATCCTT | CTTTTACAGC | AATAAAAAGA | AGGAACCAAT | 171600 |
| TAATAACCCT | GTAAACTATC | ATGTGACCCC | AACACAGAGT | ATCTAAAAAC | AGGAAGCCTG | 171660 |
| CAGAGGTTCA | GTTACAGAC | TCTGATTTGA | GATCTTTCTA | CTTTTGCCAC | CAACTCCCTT | 171720 |
| GGGAGTCCTT | AAGCCTTCCT | AGCTGATGTT | ACTTCTTTTG | CTATTTATGG | GTTGCTTGTG | 171780 |
| GTTCTATAAC | TGCTCTGAAG | GGTGTGGTGG | AAAAAGGGGT | GGTAACAGCA | GTAGGACTCA | 171840 |
| TTGGCATCAC | AAAATTCATC | TGAGTCAGCT | TTCTATTCTT | CTCTGTCCCG | TTCTGTGTCT | 171900 |
| TGTTTTTCTC | CTTGCTGTCC | TTCTGCAGGA | CTCAGATCTT | CTTCAATAGC | GAGGGTCAGC | 171960 |
| CAGGATAGAA | AATGGGAGTC | ACTAGTGGCC | CAGCAGTGAG | TGCCCCCAGC | TTAGAGCTGT | 172020 |
| GTGGGATCCC | TGGGACCATC | ACTCTGCTTT | GTGCTTTGTG | GAGAAAAGGC | TGTGGGGTCC | 172080 |
| AGGGTCAAGT | CCTTAATGAC | TTAGCTCCAG | CTTCTCCACT | TCAAAATGAA | AGGAAAAGTA | 172140 |
| CTATCACCAC | CCGTTAGAAT | TATTATTTCA | TGGGGAAAAA | AGATGGATTA | CTATCTCACA | 172200 |
| ATAAGAGCTT | GTCACATTTA | TAAGTCTCAG | GTGTAAGAGG | CATTTATGAT | AACAACATAA | 172260 |
| TAAATGCTGG | CTTAAGTAGA | TGCAGTGGTC | CAAGGGAACC | AGTAAGGGGA | GCTCAGGACA | 172320 |
| CAGGTGGGAG | GAGAAATTAA | ACTTGAATTC | TGGGAGCCAC | TGGCCTGTCT | GGGCCCCTGG | 172380 |
| CCTGCCTGCT | GACCCTGATA | GCCAATGGAA | CATGGAGTTT | GGCCCAGCTG | CAATCCCTCT | 172440 |
| GGTCCAACTA | CTCAAAATAA | AGGCAAGATT | GGGAAACACG | TTCCCTTCTT | CCTATACCAA | 172500 |
| GCAGAAGACT | CTTCAGCACT | GCACCCTCCT | GGGTGCTCAC | AGAGCCTTCT | GTTGTTTTGC | 172560 |
| CACCTACGAT | TCATCATGCC | CTGGCATGAT | GGTTGCAGAC | CCCATGCATA | GCATGGGACA | 172620 |
| TTCTACTCCT | GAGGCAACCA | GCACACAGAG | AGAGGAGAAA | GAATGAGCCC | CTGAATCCTT | 172680 |
| GGTCCCACGA | TGAGTCCTTG | CAGATATCTA | CAACTTTCAT | TGTTGTGGAT | GTGACTCTGT | 172740 |
| ACCCAGGCAT | GGCTCATTCC | AGATCTGTCC | TATTGTCAGA | GGTGTTCAAA | CCAGAATGAC | 172800 |
| TCCATTTTGA | ATGGGGGCTA | GGTAAAATAA | GGCTGAGACC | TACTGGGCTG | CATTCCCAGG | 172860 |
| AAGTTAGGCA | TTGTAAGTCA | CAGGATGAAA | TAGGCAGTTG | GCACAAGACA | CAGGTCATAA | 172920 |
| AGATCTTGCT | GATAAAACAG | GTTGCAGTAA | AGAAGCTGAC | CAAAACCCAC | CAAAATCAAG | 172980 |
| ATGGCAACAA | GAGTGGCCTC | TAGTCATTCT | CATTGCTCAT | TATACACGAA | TTATAATGTG | 173040 |

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| TTAGCAAGTT | AGAAGGCATT | CCCACCAGCT | CCATAGTGGT | TTATAAATAC | CATGGCGATG | 173100 |
| TCAGGAAGCT | ACCCTATATA | GTCTAAAAAG | GGGAGGAACG | CTTGTTCTG | GGAATTGCCC | 173160 |
| ACATCTTTCC | CAGAAAACAT | ATGAATAATC | CACTCCTTGT | TTAGTACATA | ATCAAGAAAT | 173220 |
| AACTGTAAGT | ATCTGTATTA | GTCCATTTTC | ACACTGCTGA | TCCAGACATA | CCTGAGACTG | 173280 |
| AGTAATTTAT | ACCAGGAAAA | AATGTTTCAT | GCTCTTACAG | TCCCACGTGT | CTGGGGAGAC | 173340 |
| CTCACAACCA | CAGCAGAAGG | CAAGGAGGAG | CAAGTCAGGT | CTTACATGGA | TGGCAGCAGG | 173400 |
| CAAAGAGCTT | GTGCAGGGAA | ATTCCTTTCT | ATAAAACCAT | CAGGTCTCAT | GAAACTTATT | 173460 |
| GACTATCATG | AGAACAGCAG | TATAAATTAC | TCAGGGAAAG | ACCTGCCCCC | ATGATTCAAT | 173520 |
| TACCTCCCAC | CAGGTCCCTC | CCACAATATG | TGGGAATTTA | AGATGAGAGT | TAGGTGGGGA | 173580 |
| CACAGCCAAA | CCATATCAGT | ATCCTTAGTC | CAGAAGCTGA | TGCTCTGCCT | GTAGAGTAGC | 173640 |
| CGTTCTTTTA | TTCCTTTACT | TTCTTGCTTT | CACTTTACTG | TGTAGACTTG | CCCCAAATTC | 173700 |
| TTTCTCACAC | GAGATCTAAG | AACCTTCTCT | TAGGGTCTGG | GTTGGGACCC | CCTTTCTGGT | 173760 |
| AACACTATCA | AAGGATCAGG | AAAAGGAAGC | TAGTGAATGC | TAAAAAGGAA | ACAACTACC | 173820 |
| ATTACCAATA | ATAACAGCAA | GACAAAAGCA | AAACGGATTG | TGACAGCTGT | CCCATCTCAC | 173880 |
| ACCTGTTTCC | CATTGCAGGA | AGGAGGGGCT | GGTTCATGCA | CAGAGTGGCC | AATATTAGAA | 173940 |
| GCAGAGATGG | GGTGCAGATG | AGACTTCAGG | AATATGTTGA | CAAAGGCAGG | CCTAGGGAGA | 174000 |
| AATCAACCTG | AACTATCCCC | AAGGAGGAAT | GCATTATCTC | TAATATGTAA | AGTTAGGCTT | 174060 |
| GATCCTGTGA | TTATGGGATA | TAGGAGTCCA | AAGACTCACA | ATGGGAAGTA | GGTCACTAGA | 174120 |
| GTCTCCTTCA | GAAGCTCTGT | ACTGTGTGTT | CCCACTGTGG | GCAAGAGTCA | GCACTCAGCT | 174180 |
| ATTCCTAGAA | TGCCTTTCCT | CAACTCCTTC | AGATTTTGCC | TCTCAACTAA | CCCTATCCTG | 174240 |
| ACCACTTGTT | AGCAAGTGTA | CCCCCTCTCT | CCTCCCAAAC | ATTTTCAAAT | CTATTTTGTT | 174300 |
| CCCATGGCAC | TTATCACTGA | ATATTTTACT | AATTTATTTT | GTTTAGTGTT | TGCTTCCCTC | 174360 |
| ATGAGAATGC | AAAGGGATGG | ATTTTTTTTCA | ATATTGTTCA | CTGATGAATC | CCAGTAACTA | 174420 |
| GAATATTTCT | AAGCATAGTG | ATGTGCATTA | AATCAAAGAG | TAACTTTCTG | AATTGCACTA | 174480 |
| AACACACATC | ACAAGAGGTG | TGTGCACATA | TGTGCATGAT | GCACGTAGTG | TGGTGTGGGT | 174540 |
| GTTGTGTGGG | GSTATGTGGTA | CTGTGTGTGC | TGTGTGTGGT | ATGTGATACA | TAGTTTGTGT | 174600 |
| TAGTGTGATG | CATGTGATGT | GGTATGTGTG | TGCGTGTCCA | TACATATTAG | GGGTGGCGGG | 174660 |

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| GATGTTAATA | TGTCAAATGG | TACTAGAAAG | TATCAGAACT | CATGGTGCTT | ACTGGTTTCC | 174720 |
| CAGAGAGCTG | CTTCTCTCCC | ACCTGTAGGA | TATACTGATG | GTTTGGACAG | AGAAGAAATA | 174780 |
| AAAAGAAGGC | TGTGACCTAC | TGGGCTGAGG | AAATAAAAAAC | GAAAGTAAAA | GAAGAGCTGG | 174840 |
| GAAAAGAGAG | TGGAGGGGCC | AAGGGAAATT | TCCCCTTTGG | CTTCTGGGGA | AACTTTGCTG | 174900 |
| AAAAATCAAC | TCACAAATTT | ATTAACATGT | ACACAGGGAG | AACCATAGAA | TGATTATCCA | 174960 |
| CTTCCCAAGA | GGGCTTAAAA | GCTTATATAT | TATCCTGGCA | AAACAGATTA | TGGGAGGGGA | 175020 |
| AGAAGAGAAA | CTCTGTTGAT | GGGATTACTG | TTGCGGATTT | TTGCTCCTTC | GCTCAGCTAG | 175080 |
| GTCCGGGTTT | TTGTCTCACA | GCCAGGAAGA | ATTAGGCATG | CAGCCATCAA | AGAATGAGTG | 175140 |
| GAGTAGAATT | TATTAAGTGA | AAGGAAAAGCT | CTCAGCAAAG | ACAAGGGTCC | TGAAAGCAGA | 175200 |
| TTTCTGGTTT | GCTCTTCACA | GTTGAATACT | AGGGCTTAAG | ACTCAAATTC | CTGACAACTC | 175260 |
| CACCCTGTCC | TACCAGTGCA | TGCAGGCCTT | TAGACTGAGC | TACTCCATAT | TGATTAATTT | 175320 |
| CCTGAACTGT | GCATGTGTTA | AGGAAAGGAA | TCATCCACTG | CAGGCATGTT | TAGGCAAGCC | 175380 |
| CCCTGTGCAA | GTTCCCTTAT | CTGCACAAAA | CATCCGGTGT | AAGCACTTGT | GGGGCAGGTC | 175440 |
| AGAGGTTCTC | TGGGTACCAT | TCCCTTACTG | TCTGCCTAAA | GCAAGCTGGC | CAACTCCTTT | 175500 |
| CATTACTAGG | GAGAGTAAGT | AGATCAGGGA | ACAGAGATTA | ACTTGAACAT | TATCTTGTGA | 175560 |
| AAGTCCGTTC | GGGCATGGTT | ACATTCTTGG | TCTTACAGGA | AGGGTAAATA | AAAATAATTG | 175620 |
| CTCTTTTTTG | TGGGTCTGGA | TCTTAGGTAG | ATAAAGAAAC | TTTAATTCCA | CGATGTGTTT | 175680 |
| TGGTAGGGAT | AGTTGGTGGC | AGGGATGTCA | GAGAGACTTT | GAGGCTTCTT | CAGTTCAATA | 175740 |
| TGACCAAGGG | CCATATATTA | GGGTATCAAT | TTCTGAGCCC | CAACAAGAGC | TTAGGAGAGA | 175800 |
| TGTGATAGCA | TCACAGTGTG | AAAGCAATTT | TTTGTTTGTT | TTTAGAGACA | GGCTCTTGCA | 175860 |
| CTGTCACCCT | GGCTGAAGTA | CAATGGTACG | ATCACAGCTC | ACTGTAATCT | TGAACTGGGT | 175920 |
| TCAAATGATC | CTCCCATCTA | AGCATTTCAA | AGTGTTGGGA | TTACAGGCAT | GAGCCACGGT | 175980 |
| ACCCAGCCTG | AAACTGCACC | CACTTTCTGA | TAAACTTTTC | AAATGACTAA | AGGGGAGAGA | 176040 |
| GTAAGCACTA | CTCAGAGGTA | GGAAGAAAGG | ACACAGGATT | ATAGGATTAA | AACAACAACC | 176100 |
| ACCAAAAAAA | ACCAGACCGG | TGTGGTGGCT | CACACCTGTA | ATCACAGCAC | TTGGGGAGGC | 176160 |
| TGAGGTGGGG | GGAGTCACTG | GAGGCCAGGA | GTTTCGAGACG | AGCCTGGCCA | ACATAGCAAG | 176220 |
| ATGCTGTCTC | TATTAAAAAA | AAAAAATACC | TGCCTTGAGC | TAATCAGAAT | CATGGACCCT | 176280 |

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| GACAAAGGAT | GTCCCAAAGT | AAGTCTTAGC | ATTTTTTTTT | TTTTTTTGAG | ACAGTCTCGC | 176340 |
| TGTGTTGCCC | AGGCTGAAGT | TCAGTGGCGT | GATCTCGGCT | CACTGCAACA | GCTGCCTCCC | 176400 |
| AGGCTCAAGC | AATTCTCCCT | GCCTTCAGCC | TCCCAAGTAG | CTGGGATTAC | AGATGCCCCAC | 176460 |
| CACCACGCCT | GGCTAATTTT | TGTTTTTTTT | AATAGAGATG | GGGTTTTGCC | ATGTTAACCA | 176520 |
| GGCAGGTCTT | GAACTCCTGA | CCTCAAGTGA | TCTGCCCACC | TTGGCCCCTC | CATAGTGCTG | 176580 |
| GGATTACAGG | CGTGAGTCAC | TGCACCCGGC | AAAGTCTTAG | CATTCTTTAC | AAACAGTTTG | 176640 |
| TACCCGTATC | TCTAAAAGGG | AGTAGTGAAT | TTCACCCCAA | AATGTGGCTT | CCTGATATAA | 176700 |
| TGAGTATTTT | GAATGAAAAA | CTCTTAGAGA | TCAACAGACA | CTAAAGAGAC | TTTTCCCTAG | 176760 |
| GTACATAAAA | ATAGGATGGC | CCCACCAGCG | AGAACAATTG | TTCTTTTCTC | CCTCTCTGTT | 176820 |
| ATCTCATTGT | GCATTATAGG | AAAGACCAAG | AATGTAACCA | CACCTGAACA | GACCCTTTTA | 176880 |
| TAAGATAATC | AGTCTCTAAG | CATCATTTAA | ATTCCAAGGA | GAAC TATTTA | CAAATTTATC | 176940 |
| TGTTCTTTGA | TCCAATTAGT | CTCTCCTGGT | AGTTACATAT | TGCCCCTCAA | CAGAATTCCT | 177000 |
| CTTCTTCTGT | TTCCCAT AAC | CTATTTTGCA | AGGATCAAGC | CCCTGTTATT | TCTTCAACTT | 177060 |
| CAAGGTGGCA | TATAAGCTTC | TAAATTCCAC | TGGGATATTG | GTACTATGTG | CATGAGGAGA | 177120 |
| ACCACAGAGT | AATTAAATTG | TAAAGCCTTT | TATCTTATGA | ATCTGCCTTT | TTTTGTGTTT | 177180 |
| ATTTTTCAGC | AAAAC TTCCA | AGGGCAAAGG | TATAAAACAA | AAATAAAATT | CTAAAGCCCC | 177240 |
| CCAACCATCT | GAATAGACTT | TCTCTTCAGT | CAGGCTTCTT | AAAATGTAAC | CTGAAAGACT | 177300 |
| GGCTCAGGCC | ATTAAGGGAA | GTGGGGGTTG | AACATGCCTC | ATTATTCTC | TCTGGCATT A | 177360 |
| ACATCAACAC | AGCTTTTAA G | TCTGATAAGA | AACATTTTAC | AACCTATTCT | CTCTGAAGCC | 177420 |
| TGCTAGCTAA | AAACTTCATC | CCATAGTACA | ACTTTGGTCT | TCACAACCTG | TTATCACAAC | 177480 |
| CTAGTGCTCC | TTTCTATTAA | TCCCAAATCT | TTATACAAAC | TCAACCAATT | GTCATCACCT | 177540 |
| CCACCCCACT | CCTCCGCTGC | TTCCAGTTGT | CCCGCTCTC | TGGACCAAAC | CAGTG TACAT | 177600 |
| TTCTTAAACG | TATTTGATTG | ATGTCCCATG | CCTCCCTAAA | ATGTATAAAG | CCAAGGTGCA | 177660 |
| TCCCAACCAC | CTTGAGCGCT | TGTTCTCAGG | ACCTCCTGAG | GGCTGTGTCA | TGGGCCATGG | 177720 |
| TCACTCAAAT | TTGGCTCAGA | ATAAATCTCT | TCAAATGTTT | TACAGAGTTT | GGCTCTTGTC | 177780 |
| ATGACACAGA | TGACTGCTTC | ACTGAAGCCT | GCTCTGGAAG | TGAGTGGGGG | TTTTGCAAGG | 177840 |
| ATAATTTTCC | CCGGATAGCC | CCAGAAGCAG | CTAGTAATAA | TACACTTAAA | GGTAGCTAAA | 177900 |

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| ATGCATTGAA | CACTTGTTTT | GTGCCAGACC | TATGTCAACA | TTTGCTTTGT | GCCAGGCTTA | 177960 |
| TGCCAGTACT | CCTGATTTGT | TAATACATTC | TAAATAAAAA | TTCTGGAGTT | TCAAATATAA | 178020 |
| TAAGTAAAA | ACAGAAAAATA | AATAAAAAATA | TATAATAACT | GAAATAAAAA | TTTACTAAGG | 178080 |
| CTGGGGATGG | TGGCTCACTC | ACACCTGTAA | TCCTGTTACC | GGAAAGGGGT | CCGTCCAGAT | 178140 |
| CCAGACCCCA | AGAGAGGGTT | CTTGGATCTC | ACACAAGAAA | GAATTCGGGC | GAGTCTGTAA | 178200 |
| AGTGAAAGCA | AGTTTATTAA | GAAAGTAGAG | GAATAAAAGA | ACGGCTACTC | CATAGGCAGA | 178260 |
| GCAGCTCTGA | GGGCTGCTGG | TCGCTCATTT | TTATGGTTAT | TTCTTGATTA | TGTGCTAAAC | 178320 |
| AAGGGGTGGA | TAATTCATGC | CTCCATTTTT | TAGACCATAT | AAAGTAACTT | CCTGACGTTG | 178380 |
| CCATGGCATT | CGTAAACTGT | CGTGGCGCTG | GTATGAGCAT | AGCAGTGAGG | ACGACCAGAG | 178440 |
| GTCACTCTCA | TCGCCATCTT | GGATTTGGTG | GGGAGCAGTG | AGGATGACCA | GAGGTCACTC | 178500 |
| TCATCGCCAT | CTTGGATTTG | GTGGGGTTTA | GCCAGCTTCT | TTACTTTTTT | CTTTTTTTTT | 178560 |
| TTTGCCCAGG | CTGGAGTGCA | GTGGCACGAT | CTCAGCTCAC | TGAAACCTCC | AATTTCTGAG | 178620 |
| TTCAAGCGAT | TCTCGTGCCT | CAGCCTCCCA | AGTAGCTGGG | ATTACAGGCA | TGTGCCACCA | 178680 |
| CACCCAGCTA | ATTTTTTATA | TTTTTAATAG | AGACCGGGTT | TCGCCATGTT | GCCTACGCTG | 178740 |
| ATCTCCAACT | CCTGCGCTCA | AGCCATCCAG | CCACCTTAGC | CTCCCAAAGT | GCTGGGCTTA | 178800 |
| TAGGTGTGAG | CCACCCCACC | TGGCCTAGCC | GGCTTCTTTA | CTGCAACCTG | TTTTATCAGC | 178860 |
| AAGGTCTTTA | TGACCTGTAT | TTTGTGCCCA | CTGCCTGCCT | CATCCTGTGG | CTTACAATGC | 178920 |
| CTAACTTACA | GGGAATGCAG | CCCAGCAGGA | CTCAGCCTTA | TTTCACCCAG | CTCCTATTCA | 178980 |
| AGATGGAGTC | TTTCTTGTTT | AAATACCTCT | GACAAGCCCA | ACACTTTGGG | AGGATGACAC | 179040 |
| AGGAGGATTG | CTTTAGCCTA | GGAGCTCAAG | ACCAGCCTGG | GCAACACAGT | GAGACCCCAT | 179100 |
| CTCTAAAAAA | AAAAATACAA | AAAAATTAGC | CAGGCATGAT | GGTGTGTGCC | TGTAGTCCCT | 179160 |
| GCTACTCAGG | AGGCTGAAGT | GGGAAGATGG | CTTCAGCCCA | GGAATTCAAG | GCTGCATTGT | 179220 |
| CAGAGGCATT | TGAACCAGAA | TGACTCTATC | TTGAATAGGC | GCTGGATAAA | ATAAGGCTGA | 179280 |
| CACCTGCTAG | GCTGCATTTT | CAGTATGTTA | GGCATTCTTA | GTCACAGGAT | GAGATAGGAA | 179340 |
| GTCAGCACAA | GGTACACATC | ACAAAGACCT | TGCTGATAAA | ATAGGTTGTG | GTAAAGAAGT | 179400 |
| TGGCCAAAAC | CCATCAAAAAC | CAACATGGCC | ACCAAAGGGA | CCTCTGGTTG | TCTTCACTGC | 179460 |
| TCATTATATG | TTAATTATAA | TGTATTAACA | TGCTAAAAGA | CACTCCTACC | AGCATCATGA | 179520 |

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| CAGCTTACAA | ATACTGCGGC | AATATCTGGA | CTTTACCTTA | TATGGTCTAA | AAGGTGGAGG | 179580 |
| AACCCTCAAT | TTTGGGAATT | GTCCACCCCT | TTTTTGGAA | GCTCATGAAT | AATCCACCCC | 179640 |
| TTGTTTAGCA | CATAATCCAG | AAATAACTAT | AAGTATGCTT | ATTTGAGCAG | ACCACGCTGC | 179700 |
| TGTTCTGCCT | ACAGAGTAGC | CATTCTTTTA | TTTCCTTACT | TTCTTAATAA | ACCTGCTTTC | 179760 |
| ACTTTACTGT | ATGGACTTGC | CCTAAATTCT | TTCTTGTGTG | AGATCCAAGA | ACCCTCTCTT | 179820 |
| GGGGTCTGGA | TCAAGACCCC | TTTCTGGTAA | CATCTTTCTG | GTGACCACGA | AGGGACAATA | 179880 |
| CTGAGGAGAC | TCTGAAGCCA | AAGGAAACAG | ACTACAGCAC | CAACTGGCTG | ACTTTGGGTA | 179940 |
| AGTGGTGGAG | TCCCCGGGTA | AAGGATAGGA | TTGGGTTAGA | GGTGCAACTT | AGGGGAGATA | 180000 |
| GGGTCTCTCC | TAAGACAGAG | AGGGTTTCAG | TCCGCTCTTA | ATAAAGGGCA | AGAATGCTTG | 180060 |
| ACCGAACTTG | GGTTTGAGAC | CCAACCTAGG | AAGGCTACAG | TCCTTAAGAT | TTAAGGGGTT | 180120 |
| AGAGGCCCCCT | CTCAGTAAAG | TCTCTCTTGG | TTAAAAACGG | ATTTAGCATT | AGGGGATGTT | 180180 |
| AACTGCTATT | CTGTTTGTAT | TAATCTTCCC | TGTGCTCTTT | GCTGACAGCT | ATGGGTGACA | 180240 |
| GGATTAGGCA | TGTACAGGAT | CACGGGACAT | TGGGAACTTT | TCTTCTCTCC | AAAAGGGGAA | 180300 |
| GCTTGACAGC | TGATAGGACT | GTTGGAAAAG | ATCCCTTTGC | TATGACAAGC | AGCCGCCTGA | 180360 |
| ACTTTTGATT | CAGTGTTGCT | GCAATGGGTG | GGTCTTTCTC | TGGCCTCTGT | GAACTCCTCA | 180420 |
| CCTTCCCCAT | CTCACCACAG | GCAATGCTTT | TCTCCCTTTC | TCTCTTTTCT | CTTTTCTGTC | 180480 |
| TTTTCTGTTA | CTTGAGACAA | CCATCTTGCC | CAGAGACCAT | ATGTTGAAAC | TCCTGGTCAG | 180540 |
| AAGTTTGATT | AAAGATGAAA | GGGCCTATCT | GGGGGCAAGT | TTGAGCCTTC | CCAGTTAGAT | 180600 |
| ATTGGGTGCT | AAGTGGAGTG | GCCAATGTCT | ATGTTTTGTC | ACATGTATAT | TGCTCTGGCT | 180660 |
| GAAATGGAAA | ACGTTAATTT | GGTTACTTTA | TGTGGCCATT | GGGCAGCATC | TTACAAAAGT | 180720 |
| GAGAGACATT | TATTTGCCTG | TGGTTCCATG | AAACAGAAAA | AAGTTGGTTT | TCTTTTGTGT | 180780 |
| CGTAGCTTGG | ACCCAAGGGC | TTTGCAGTGA | GCAAGGTTGC | TAGTGCTGCT | CAGTGAAAGA | 180840 |
| GAACCCAGAA | ACCTGGCATG | CCAGCAAAAG | GGTAAAGATT | TCTTACCAGT | CAGGCTTCTG | 180900 |
| GCCTCTCTCT | CTTAGTGAAA | ACTGAATGAA | TGGTAAAAAT | CACTGTTTAT | CACCTCTGTA | 180960 |
| AAGTTTTGAT | TAATGGGAAC | AAGGATTTGT | GGGGCTAGTC | TTAAGCTGTA | ATGAATCTGG | 181020 |
| TATACTTTGT | GATATCAATT | TGTCTTTCTG | TATTACTCTG | TCATAAAGAG | GAATATGGTA | 181080 |
| GGATAGAACA | TGGGCTCAGG | ACTCCATAAG | CCTGCTGTTC | AAGCCAGCCC | AGTAAACTGG | 181140 |

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| TCCGTTGCAA | AGTTTATTAC | AGGTCCCTGG | AAAAAAAAAA | AAATAAAAAC | TGGATGAAGT | 181200 |
| TTCTTTCTCA | TCTTGTTTTA | TGTCCTTTGG | AGCTTCACCT | TGTAACCACG | TGGCGGTACT | 181260 |
| TTCTCTTGGT | CTCTGCCATC | CAGGGAACAG | GAATTTTGGG | GTTTATGTAA | TAGTTAACTC | 181320 |
| TAAAAATTAT | CTCAAGCCAT | TGCAAGCTCA | AAATTGGCTG | CTCTGGACCC | CTTCTGGGAA | 181380 |
| GGGCAATGGA | AACTAACCAG | TGTTGTAGCT | CAGCAGCTAA | GGATTTGTCA | TTTTATAATG | 181440 |
| GCGGCCAAGG | TTCAATCCTG | GCTTAGGGAA | TGAGTACTTT | CTGATTGATA | TCTGTGTGAC | 181500 |
| CTTTACCATT | TGTTGATTCT | GTTCTCTTCC | CCTCCACACA | CTGTCTTGAG | TTTTCTCTCTC | 181560 |
| TCTGAGAACC | TGGGAGATTA | TCTTTGGTAA | AGTTCAAAAG | CCAGAAATAA | TGGCCGTGTG | 181620 |
| GGATGGCTAA | AGTTGAGTAA | TAAGAACTT | AAAAGGACTC | CTTTTTTTTT | TGCTTTAGAG | 181680 |
| TGCTATGGTT | TATGGTTAAA | AGCTTAATTA | AAAGTGGATA | TTCAATCTCT | AAAAGCCTGG | 181740 |
| GACTCCTTGG | GAAAAGCAGA | GGAGGCACCA | CAGACCCCAT | TTTGGGAAAA | CCTCTGTTTT | 181800 |
| CCTCATGAAA | CCCCAGGAAC | TGGAAGTGGA | TAGATCCTTC | GCAAAATCTA | AGGCTCTGTT | 181860 |
| TGGCTTTGCA | TTATGTTATC | TGATGTTTTT | GACTTTTGGG | GGTATCAGAA | ATTACTTTGC | 181920 |
| ATTATGAGGG | AGATCTGGTG | TGTAATAACC | AGGTAGGAAA | TATACTTCTG | GGGATAGCTA | 181980 |
| AAGGCAAATA | TAGGTGAATA | CTTGGCTATT | TGCACTTTTG | GATCACAAGA | AGCATTCTCT | 182040 |
| TGACTACCTA | GAAGGTATGG | AAATGTCTCC | ATCCCCACCG | AGAGATAAGA | TTCCCAGGGG | 182100 |
| AGATGGCTGA | TCCCCAAAAA | GAGGGCTGAT | TCCCTCTTTT | GGGATCCAGG | ATCTGGTATA | 182160 |
| AAAATGGGAC | CCTGGCCAGG | CACAGTGGCT | CACGCCTGTA | ATCTCAACAC | TTTGGGAAGC | 182220 |
| CTCAGAGTTA | TGAATGTCTC | ACCATACTGA | CACTTTGTGA | CTGAGCTCCT | CTCTACCCTG | 182280 |
| GACACAAGAG | ACCCTAATAA | TTAGACAGGA | ATATCATTGC | CCCTATTTAG | TCTGAAGAAG | 182340 |
| TTATAGAAGA | CGGATCTTTA | TCCCACTGCA | ATCCTTAGGA | TTAAGGGTTC | CCTGGTAAAA | 182400 |
| GGGAGTGGGA | AAATATGTCA | GAGGCATTTG | AATCAGAGTG | ACTCCATCTT | GAATAGGGGC | 182460 |
| TGGGTAAAAT | AAGGCTGAGG | CCTGCTGGGT | TAGGTTAGGC | ATTCTAACCA | GGAGTTTAGT | 182520 |
| CACAGGATGA | GATAGAAGGT | TGCACAAGGT | ACCCGTCACA | AAGACCTTGC | TGATAAAATA | 182580 |
| GGTAACGGTA | AAGAAGCCAG | CTAAAGCCCA | CCAAAACCAA | CATGGCCACA | AAAGTGACCT | 182640 |
| CTTGTCATCC | TCACTGCTCA | TATACACTAA | TTATACTGCA | TTAGCATGCT | ACAAGACACT | 182700 |
| CCCACCAGTG | CCACGACAGT | TTACAAATAC | CATGACAACA | TCTGGACGTT | ACCTTATATG | 182760 |

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| GTCTAAAACG | GGGAAGAACC | CTTAGTTCTG | GGAATTGTCC | ACCTCTTTCC | TGAAAAATTC | 182820 |
| TTGAATAATC | CATTAGTTTA | GCACATAATC | CAGAAATAAC | TATACGTCTG | CTTATTTGAG | 182880 |
| CAGTCCATAC | TGCTGCTCTG | CCTATGGAGT | AGCCATTCTT | TTCTTTTATT | TTTATTTTTT | 182940 |
| AGATAAAGAC | TCGCTCTGTC | ACTCAGGCTG | GAGTCTGGAG | TGCAGTGACG | TGTTTTGGCT | 183000 |
| CACTGCAACC | TTCACCTCCC | GGGTTCAAGC | AATTCTCCTG | CCTCAGCCTC | CCAACTAGCT | 183060 |
| GGGACCACAG | GTGGGTGCCA | CCATGCCTGG | CTAATTTTTG | TATTATTAGT | AGAGATGGGG | 183120 |
| TTTCGCCATG | TTGGCCAGGC | TGGTCTCGAA | CTCCTGGCCT | CAAGCGATCC | ACTTGCCTTG | 183180 |
| GCCTCCCAAA | GTGCTAGGAT | TACAGGCATT | ACCCACTATG | CATGACCCAT | TCTTTTATTT | 183240 |
| CTTAACTTTT | TTTTGTTTTT | TTGAGACAGA | GTCTCACTCT | GTCACCCAGG | CTAGAGGCTG | 183300 |
| GAGTGCAGTG | GTGCGATCTT | GGTTCACCTG | AACCTCTGCC | TCCTGGGTTC | AAGCGATTCT | 183360 |
| TCTGCCTCAG | TCTCCTGAGG | AGCTGGGACT | ACAGACATGT | GCCACTACAC | CCAGCTAATT | 183420 |
| TTGTATTTTT | AGTAGAGACA | GTGTCTTGCC | ATGTTTGTC | GGCTTGCTC | GAACTCCTAA | 183480 |
| CCTCAAGTGG | TCTGCCTGCC | TCAGCCTCCC | AAAGTGCTGT | GATTACAGGC | ATAAATCACT | 183540 |
| GCGCTCGGCC | CTTCTTTACT | TTCTTAATAA | ACTTGTTTTT | ACTTTACTGT | ATGGACTAGC | 183600 |
| CCCAAATTCC | TTCTTGTTGT | AGATCCAATA | ACCCTTTTGT | GTGTGAAAGA | ATGTATTGCT | 183660 |
| GCTGTTTCAG | CTGGAGCAAG | CTGGAGCTCA | TGCTGCTGCT | CAGACTGGAG | CATGCGTGAT | 183720 |
| CTGTGATCCC | AGTAAGAGGA | TCATGGTCAC | TCCAGCCTGA | ACGACAGCAT | GATATCTCAT | 183780 |
| CTGTAAGAAA | AAAAAATTAC | TAGAGGGCTT | TAACAGCAAA | TTTGAGCAGC | AAAAAGAAGT | 183840 |
| AATCAGTGAA | CTCAAAGATA | GGTCAATTGA | AATGATCTAC | TCTGAAAAAC | AGAAAGAAGA | 183900 |
| CAGAATGAAG | AAAAAGAAAT | AGAGCCTTAG | AGACAGGGGA | TACCATCAAG | CATACTAATA | 183960 |
| TATGCATAAT | GGGACTCCTA | GAAGGAGAAA | AGTGAGAGGA | CAGGGAGAGA | GAATGTTTGG | 184020 |
| AGAAATAATT | TCTCAAAGCT | TCCCATGTTT | GGCAAAAAAG | CATTAACTTG | CATACATATT | 184080 |
| TTAGGAGCTC | AATGAATTCC | AAGTAGGATA | CACTCAAAGA | GATCCATACC | TAGACACATC | 184140 |
| ATAATCAGAT | TATCAAAAGA | TGAAGAAGAT | GAATCTTGAG | AGCAGAAAGA | AAGGAACAAT | 184200 |
| TCATCACATA | CAAATAGTAC | TCAAAAGATG | TCTGGAGTAG | GTATACTAAT | ATCAGACAAA | 184260 |
| ATAAACTTTA | AGATAAGCAT | TGTTATAATA | AATAAAGAAA | GGTATTTTGT | AATGATAAAA | 184320 |
| GTGTCAATTC | ATCAAGAAAA | CATAACATTA | TAAACATACA | TGCACCTAAC | AACAGAGCCC | 184380 |

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| TAATATTCAT | GAAACAAAAC | TGACAGAATT | GAAGGGAGAA | ATAGAAAATT | CGACAATAAT | 184440 |
| AGTTGGAGAC | ATCAATACCT | CACTAGTTAG | ACAAGATCAA | CAAAAAAATA | GAAGACTTAA | 184500 |
| CACTTGAAAA | CACCTAACCT | GACCCTAACA | TAAATCTATA | GGTCACTACA | CCCCAAAACA | 184560 |
| GCAGAATAAA | CATCCTTCTG | AAGCTCACAT | GAAACATTTT | TCAGGATAGA | CTGTATATTA | 184620 |
| CTTCATGAAA | TAAGTCTCAA | TAAATGTAAA | AGGACTATAA | TAATAGAGTA | TATATTCTCT | 184680 |
| GACCAAAGTG | GAATGAAGAT | AGAAATCAAT | AACTAGGCTG | GGCGTGATGG | CTCACGCCTG | 184740 |
| TAATCCCAGC | ACTTTGGGAG | GCCAAGGCGG | ACAGATCACG | AGGTCAGGAG | TTTGAGACCA | 184800 |
| GCCTGACCAA | CATGGTGAAA | CCCTGTCTCT | ACTAACAAAA | TACAAAAATT | AGCCAGGCCT | 184860 |
| GGTGGCATCT | GCCTGTAGTC | CCAGCTACTC | GGGACACTGA | GGCAGGAGAA | TCACTTGAAC | 184920 |
| CCAGGAGGCA | GAGATTGCAG | TGAGCTGAGA | TCGCGCCACT | GCATTCCAGC | CTGGGAGACA | 184980 |
| GAGCGAGACT | CCGTCTCAAA | ATTAAAAAAA | AAAAAGAAAC | TAGAAAAATA | AGAACAAATC | 185040 |
| AAACCCAAAG | CAAGCAAGAG | GAAAATGAAA | AATTTCAAAG | CAGCCAAGAA | CAAAAGGCAC | 185100 |
| ATTATGTACA | GAAGAACAAG | TGTATAGATC | ACATATTTCT | CATAGACACA | ATATAAGCAA | 185160 |
| AAAGACAGTG | GAGCAAAATT | TTTTAGATTA | ATGAAAGACC | TACAATTCTG | TACCAAGCAA | 185220 |
| AAAAACTCCC | CCCAAATGAG | GGTGAAATAA | GACAATTTAA | TACAGAGAAA | AGAGGAAGGA | 185280 |
| ATTTATCTAG | TCATATGTGA | GAGTTTTATG | ATACATTTTG | TACTGTATAT | GTGGATGTTT | 185340 |
| TCTATTTTCA | TAAAAAATC | AACCGTGCAA | TTAAATGGTA | GATTGTCTTG | CTTCTTTTTG | 185400 |
| ATTGACACAG | TCATTAACCT | AAATATTGTA | GTATTTTTTT | ATCTCCCTGC | CTAAAGGCAA | 185460 |
| TAAACATCTA | ATCAGCAGAC | TAGAACAATA | AAAAATATTT | TTTAAAAGTC | CTTTAGGCAG | 185520 |
| AATGATAAAA | GTCCCTTAGG | CATATTGAAA | TTCCTATTTA | TACAAAGGAA | TAAACAGTAC | 185580 |
| TAGAAATTGT | AACTATGTGA | GTAAACAGAT | AATATTTTTT | CTCCATAAAA | TGTGGTTGAC | 185640 |
| TATTTTCACA | AAAATAGTTA | ACAATGTAAT | GTGTGATTTA | TAGCATTTAA | AAGTAAAACA | 185700 |
| GGCCGGGCAC | AAAGGTTCTG | GCCTGTAATC | CCAGCACTTT | TGGAGGCCGA | GGCGTGCAGA | 185760 |
| TCACTTGAGG | ACAGGAGTTC | AAGACCAGCC | TGGCTAACAT | GGCAAAACCC | CATCTCTACT | 185820 |
| AAAAATACAA | AAATTAACCA | GGCGTGGTGG | TGCACGCCTG | TAATCCCAGC | TACTCTGGAG | 185880 |
| GCTGAGGCAC | AAGAATCACT | TGAATCCAGG | AGGTGGAAGT | TGCAGTGAGG | CAAAATTATA | 185940 |
| CCACTGTGCT | CCAGCCTAGG | CAACAGAGCT | AGACTCTGTC | ACACACACAC | ACACACACAA | 186000 |

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| AAGAAAAGTG | TATGACAACA | ACAGTGCAAA | AGAAGTGGAA | ATGAAAATAA | TGTTATTTTA | 186060 |
| TATAAGTGGT | ATACTTTTAG | ATGAACTACG | ATAAATTAAT | GATGTATACT | ATAAACTCTA | 186120 |
| AGGCAACCAC | TGAAATAATG | AAACGAAGAA | TTATGGCTAA | CAAGCCACAA | AAAGAAATAA | 186180 |
| AATAGAATGA | GAAAAAATAT | TTAAGTTGTT | CAACAGATGG | GAAAAAAAAG | AGGAAAAAGA | 186240 |
| GAACAAAGAA | CAGATGGGAC | AAATGGGAAA | GTAATAGCAA | GATGATAGAC | TTAACTCTAC | 186300 |
| CCATATAGAT | TATCACACTT | AAGGTAAATG | ATCTAAATAC | TCTAATACAA | AAGCAGAGGT | 186360 |
| TGTCAGATTG | AATTAAAAAA | ACAGACAACA | ACAAAAAAA | GCAAAAAAAG | AGCCACAACA | 186420 |
| TGCTGCCTAC | AAAAAATTCA | CTTTAATATA | AAGACACAAA | TAGTCTAGAA | CACCATCACT | 186480 |
| TTTAACCTTA | TTTACTCAAA | CCTCCTGATC | CCTATTTATT | TATTTATTTA | TTTATTTATT | 186540 |
| TATTTATTTA | TTTATTTATT | TTTGAGACAG | AGTCTGACTC | TGTTGCCCAG | GCTGGAGTGC | 186600 |
| AGTGGCACCA | TCTAGGCTCA | CTGCAGCCTC | TACCTCTCGG | GTTCAAGCGA | TTCTCCTGCC | 186660 |
| TCAGGCCTCC | CAAGTAGCTG | GGACTATAGG | CACATGCCAC | CATGCCCAGC | TAATTATTAT | 186720 |
| ATTTTTAGTA | GAGACGGGGT | TTTGCCATGT | TGGCCAGGTT | GGTCTCAAAC | GCCTGACCTC | 186780 |
| AGCCTCCCAA | AGTGCTGGGA | TTACAGGCGT | GAGCCACAGC | ACCCAGCTCC | TCTTCATTTA | 186840 |
| TTCTTGCTAC | GCTTCCTCCA | ATCCATTTTG | TGCATTTGAT | GATTTTGCCA | GTAACCTCTT | 186900 |
| TATTTTTCTG | GTAAAATTAC | TTATGGGTCA | CTGAGGACTG | GGATGTTCTT | TCTTCTAGAG | 186960 |
| GGGGTTTGTG | TCTGCTTTTG | CCAGGAAGCT | GGGGTACCAC | CAGTCAAGTA | TTACTTTAAA | 187020 |
| CTCAATTCAT | GAATTGAGAC | TTTTTTTTTT | TTTTTTTTTT | TTACGCAGAG | TCCTACTCTG | 187080 |
| TCACCCAGGC | TGGAGTGCAG | CGGTGTGAAC | ATGGCTCACT | GCAGCCTCAA | CCTACTGAGC | 187140 |
| TCAAGCAATC | CTTCTGCCTC | ACCATTCTGT | ATAGCTAGGA | CTACAGGTGT | GTGCCACCAT | 187200 |
| GCCTGACTAA | TTTTTTTAAAT | ATTTTTTTTA | GAGATGGGGC | TCACTTTGTT | GCCCAGGCCA | 187260 |
| GTCTCGAGCT | CCTGGGCTCA | AGTGATCCTC | CCACCTTGTT | CTCCCAAAGT | GCTGGGGTTA | 187320 |
| CAGGCATGAG | CCTCTGTGGC | TAGCCAAGAC | TTTTTATTTT | TTAGCCTAAA | TGTGTATAAA | 187380 |
| AGTTGGCTTG | TGGTTACAAC | TTATCAGGAT | TGATGATCTC | TCTCTCTCTC | TCTCTCTCTC | 187440 |
| TCTGTCTCTC | CCCACCTCTC | TCACATCCCT | TGCTCTGCTG | AGAAGCAGAG | CAAACATTCT | 187500 |
| AGCAGTTTCC | AGAGAGTAGG | ATGGGATTAC | TTCTAGTTTA | CTTTTATCAT | CCTTTGGGAT | 187560 |
| CGCAGTATTA | CTGGGAGAAC | ACAAGTATCT | CTTATTAGAC | ATACCACCTT | TGTAGAATCT | 187620 |

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| GGACTTTCAT | TTTAGACTTT | ATTTGTTTTC | TACTATAAGC | AATTTAAGTT | ACAGATCTCT | 187680 |
| CTACACACTG | TTTAAGTTGC | ATCCCATGAA | TTTTGATGTG | CTTTATTGTC | ATTATTATAT | 187740 |
| AGTACAATGT | ATTTTGTAAT | TTTTTGATG | TTGTTTGGAG | AGATTGATTA | ATTAGAATGA | 187800 |
| TGTTTAATTT | CCAAATATGT | GTGTTTTTTT | CTACATTTCT | TATTTTTTATT | GATTTCAAAT | 187860 |
| TTATTTCTAC | TGTAGTCAGA | TTTAATAAAT | CATTTATTTT | TATTATTTTC | ATTTTTTTAG | 187920 |
| AGACAGGGCC | TTTCTGTGTT | GCCCAGGTTT | GTCCCAAAC | CCTAGTCCCA | AGCAGTTCTC | 187980 |
| CTGCCTCAGC | CACCCAAAGT | GCTGGGATTA | TAGGCACGAG | CCACCCGTGC | ACAACCAACA | 188040 |
| ATTCATTTAA | AAAGTGGGCA | AGTGAAGTGA | ACAGACATTT | CTCAAAAGAA | GGCATAACAAT | 188100 |
| TGGCCAACAA | ATATATGAAA | GAATGCTCAA | CATCACTGTA | TTAGTCTGTT | TTCATGCTGC | 188160 |
| TAATAAAGAC | TTAACCTGAG | ACTGGGGAAT | TTACAAGAGA | AAGAGGTTTA | ATGGACTTAC | 188220 |
| AGTTCCACAT | GGCTGGAGAG | ATCTCACAAT | CATGGTGGAA | GGCAAGGAGG | AGCAAGTCAC | 188280 |
| ATCTTACATG | GATGGCAGCA | GGCAAAGAGA | GAGCTTGTGC | AGGGAAACTC | CCGTTTTTAA | 188340 |
| AACCATCAGA | TCTCGTGAGA | CTCATTCACT | ATCATAAGAA | CAGCATAGGA | AAGACCCGGC | 188400 |
| CCATAATTCA | GTCACCTCCC | ACTGGGTTCC | TCCCAGGACA | CATGGGAATT | GTGGGAGTTA | 188460 |
| CAATTCAAGA | TGAGATTTGG | GTAGGGACAC | AGCCAAACCA | TATAAATAAC | TAATCATCAG | 188520 |
| GGAAATGCAA | ATCAAAACCA | CAATAAGGTA | TCATCTCACC | CCAGTTAGAA | TGGCTATTGT | 188580 |
| CAAAAAACA | AAAAATAACA | AATGCTGGTG | AGGATGTACA | GAAGAGGGGA | CTCTTATGTC | 188640 |
| CCACTGGTGG | AAATGTCAAT | TAGCATAGCC | ATTATGCAAA | ATAGTATGGA | AGTGAGGTAG | 188700 |
| GTTACATAGG | GTGGTCACAG | CCTCCCTTGA | AAGGAAACAA | GAAACTTGTC | AAATTGATGG | 188760 |
| AGAGAACAAA | TCTCTTGACA | TTACACAAAC | TGCATCTGGG | GCTAGTGGTT | AGAATATCCT | 188820 |
| CAGTCAAGGA | GGTAGAAGAG | CAGGAGGGAA | AATCCCTAAG | TTCGTGCAAG | TGCAGAAACC | 188880 |
| CACAAGCTGT | GTTCTCAGGT | TGACATATAC | TCATTTTAAT | AGTAAGAAAC | ACACCCTTGG | 188940 |
| GTAGAGAATT | AAAATGCTAA | TAATACATGT | GATGTATGTA | CTAGCGTGTA | TGGCAATATT | 189000 |
| GCATGCACAT | TCAAGAGACC | ACCCAAAACA | TATTTAACAA | CAATGCCCAT | TCCCACCCCC | 189060 |
| TCATGGATAA | TCACGTAGGA | CTCCCATAAC | GGGAGTTTCT | TCAGTGTCAA | TTGGTGCTGA | 189120 |
| AGTAGCCGAC | CCTGACTCTG | CTATCAGCGT | GTACTTTCAC | CTTGCAATAA | ACTCCTTTGC | 189180 |
| CTACTTTTAC | TTTGGACTGG | CTTTCAAATT | CTTTTGTGCA | GGGAATTCAA | GAATCTGAAC | 189240 |

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| CAGCCTACTG | ACAACAGAGG | TTTCTCAGAA | ACCTAAAAAT | AGATCTACCA | GATGAGGCTG | 189300 |
| AAAATCTGCT | ACTGGCTATT | TATCCAAAGG | GAAGGAAATC | AGTATACAAA | GAGACACCTA | 189360 |
| CATCCCCATG | TTTATTGCGT | CACTCTTCAC | AAGAGCTGAT | ATATAGAGTC | AACCCTAAAT | 189420 |
| GTTCATTAAC | AGACAAATGG | ATAGAAAATG | TGGCATATAT | ACACAATGAA | ATACTATTTG | 189480 |
| GCCATGAGAA | GAATGCAATC | TTGTCATTTG | TGGCAACGTA | GATGAAACTG | GAGAACATTA | 189540 |
| TGTTAAGTAA | GATAAGCTAG | GATTGGAAAG | ATAAATACTA | CATGTTATCA | CTCATATGTG | 189600 |
| AAAGTAGAGA | AAAATTTTTA | GCTCATGGAT | TTAGAGAACA | GAAGTGTGGG | TACCGGAAGC | 189660 |
| TGGGAAGGGT | AGCAAGGAGG | GGAGGATAGG | GAGAGGTTGG | TTAATGGTGA | CAAAATTACA | 189720 |
| GCTAGATTGT | AGAAATGAGT | TCCGGTGTTC | TGCACCATTG | TAGGGTGCAT | ATGGTTAACT | 189780 |
| CTCATTTATT | GTATATTTTC | AAAAAGCTAG | AAAAGAATTT | TGAATACTCA | CAACAAAATA | 189840 |
| AATGATAAAT | GTTTAAGGTG | ATGGATATAC | TAATTACTCT | GATTTGATTA | TTACACATTG | 189900 |
| TGTACACATA | TAAAAATATC | ACTCTTTATC | CCGTATATAT | GTACAGTTAT | TATATGTCAA | 189960 |
| CTAAAAATAA | AAGAAAAAAA | GAATATGATC | TATCATGATG | TATATATCAT | GTGTACTTGA | 190020 |
| GCAAAATGTG | CATGCAGATA | TTGTGTATAA | TGTTCTATAA | ATCAATTAGC | TCAAGATAAT | 190080 |
| AGATAGGATT | GTTTCAGATCT | TCTGTGTCTT | TACTGATATT | TTGTCTAGTT | ATTGCATCAT | 190140 |
| TACCAAAAAA | AGGGTGTTAA | ACTCTCCAAA | TGTGATTGTA | GAATTGTCTA | TTTTGTCTTT | 190200 |
| TCTTTTCCAT | TTTTACTTTA | TGTATTTTGA | AACTCTGTTA | TGACATTTTG | CTATGTATTT | 190260 |
| TAAAACTTCG | TTATGTATTT | TGAAACTCTG | TTGTTAGAAT | CATACATTTA | TGATTATTAT | 190320 |
| GTTTTCTTGA | TGAAATGACA | CTTTTCTATT | GTCATTGTTT | TTGTTTTTTC | TGAAATGGAG | 190380 |
| TCTCACTCTG | TTGCCCAGGC | TGGAGTACAG | TGGCACAATC | TTGGTTCACT | GCAACCTCCA | 190440 |
| CCTCCTGGGT | TCAAGCGAGT | CTCCTGACTC | AGCCTCCAAG | TAGCTGGGAT | TACAGGCATG | 190500 |
| TGCCAGCATG | CCAAACTAAT | TTTGTATTTT | TATTAGAGAC | AGAGTTTCAC | CACGTTGGCC | 190560 |
| AGGCTGGTCT | CGAACCTCTG | ACCTCAGGTG | ATCCGCCCAC | CTCGGCATTT | TTATTTTATT | 190620 |
| TTATTTTTTT | GAGACAGAGT | CTCACTCTGT | CACCCAGGGT | AGAATGCGGT | GGTGTGATCT | 190680 |
| TGGCTCACTG | CAACCTCCGC | CTCCTGGGTT | CAAGCAATTC | CCATGCCTCA | GCCTCCCGAG | 190740 |
| TAGCTGGGAT | TACAGGCACA | TACCACCATG | ACTGGCTAAT | TTTTGTATTT | TTAGTAGAGA | 190800 |
| TGGGGTTTTT | CTATGTTGGC | CAGGCTGGCA | ACTGACTCCT | TTAACAATAC | AAAATATCAC | 190860 |

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| TCTGTCTCTG | GTAACACTCT | CTGTCTTAAA | CTCTATTTTA | GCTGTTATTA | TTATAGCCAT | 190920 |
| TTTAGTCTTT | TTATGCTTTC | TGTTTGCATA | GTGTATATAT | TTTAATATGT | TTATTCTCAA | 190980 |
| GTTATCTGTG | TTTTTATATT | TAAGATGTTT | CTCTTCTAGC | CAACGTGTTT | GGTTCTTGCA | 191040 |
| TTTTTAAGTC | GATTCTAACA | ATCTTTGCCT | TTCAATTGAA | ATATTTACAC | CATTAACATC | 191100 |
| TAACATTAAC | ATTTATTTTT | CTTTCCACAG | TACACTGGCT | AGCATCTCCC | ATATAATATT | 191160 |
| GAACATAAAG | TGTGATAACT | GACATCCTTA | TTTCATTCCCT | ACTCTGAGTG | GAAAGGGCAG | 191220 |
| GGGTGGAGAA | AGCATTCAAC | AATTTGCCAT | AATTATAATG | CTTTTTGTTA | CACTGTTTTTC | 191280 |
| TTCTGCATTA | AAAAATATCA | TTACATTTTG | CATGAATTAT | TAGGAGAAAA | TATTTTCCAA | 191340 |
| TTTTCTGGA | AAATGCCATA | ACCACGTCTC | TCAATTTTGT | TTCCATCTTT | CTTCCACATT | 191400 |
| TTACATAACC | TACATAAGAG | ACACATTATC | AAGTATATTT | TACATGGCTT | CTCAGTGTCT | 191460 |
| TCTCTGTCTG | CTAACAGGTT | TACCAAGAGA | TGGCACTCTT | GTATTTCTGG | TGGCTATGTC | 191520 |
| CATATCGTTT | TGCCTTTAAG | ACAGCGTAAC | TACTTCTTTC | ACCAGTATTA | AAGACATGTA | 191580 |
| CATTTGATCT | GGTTCTTG TG | GATGATTTTA | AATGACTCAA | GCTAATAATC | CTAATTTTAC | 191640 |
| CTAAACACTC | CATTATTTTA | AAATGTATTC | CTTTATGCCC | ACAATAAACA | TTTATTGACA | 191700 |
| TTAGGCTGGA | CATTAGGCTT | CTCTATGGCA | GACATTAGGC | TGGACCCTAG | CCATATATCT | 191760 |
| ATTGAGGGAA | AAAAAATTAT | TTTCTATATA | AGTTTCCAGA | AAGCCAAGAT | GTGTTTTTAA | 191820 |
| AACAAAACAA | AACATTACAT | TCTAAATGCT | GTAACAAGAT | AAGAAAAAGT | GTTGAGGCTG | 191880 |
| AGAGAAGAAC | AAAGCAGCAA | GCAACTCCTG | GAAGGACCAC | TGCTGCAGAG | GTAATAACTG | 191940 |
| GTGAACCATG | TTTTGGAGAA | GGAAAAGGTC | ACCAAGAGAA | GGAGGGGGTC | CAGGGTGTTT | 192000 |
| AGAAAGATTG | CATGCATAAA | GATCAAGGGT | AATAAAAAAA | ATTCCGTATT | ATGTAAATGT | 192060 |
| GAAGTTCCAG | GACCATGAGC | TTGGAGAGCA | TGAAGTACAG | GAGGAGGGTT | GGTTTCAAAT | 192120 |
| AAATCTGGGA | ATGAAACAGT | GAAGCCTCTG | GCAGAACTCA | CATCTCTTTC | CTCCCCTCTT | 192180 |
| CCTTGACAT | TCCCTTTATG | GAGTAATTGC | AGGGATGGGA | AAAGTTCAAA | ACCACCACTG | 192240 |
| AGCCTAGGAA | GTGCTAGGGT | AAAGTGGAGA | ATGAACCTGC | GTGATTTGCT | CATCCTAAAC | 192300 |
| TAGGTTCTTC | TAGGAGAGCC | CTTCCCCATA | AAATCTGCCC | TCCTCGAAGG | GGCCCAGACA | 192360 |
| GCCTAAGCTC | ACCTCCCAAA | GACCCCTTAC | TTGCTGACTG | AATCTGATTC | CACCCAGACA | 192420 |
| TGGCCTAAAA | CCCTTCCATA | ACTCTATAGC | CAAATTCAAT | TTTAGACAGG | CCTCATACCA | 192480 |

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| ACCTTTCTTC | CTCTAAGTCT | GCCACCCTAG | GCAATTCTCA | ACATTCTCTA | CACACTTTGG | 192540 |
| GGCCATAGAC | GTGCTACCAA | GTCTCCAGAC | CTAGACCTGA | TGGAGCAGTG | CTGTAATGAG | 192600 |
| ACGACCACTG | GCCTTTGAAC | CAGACCCTTC | TCTGTGGCTC | CTATGCATCT | CCAACCTGTT | 192660 |
| TTGAGCACTG | CTGCCAAGAC | ATCTTTGGCA | CTTTGTTGTG | AAGTTTTAAA | ACTGAACTAA | 192720 |
| TCTACAAAAC | ACCTAACCTT | TAAAAATTCA | TTGTCATTTT | ATATCATGAA | AGATAAAGAA | 192780 |
| AGGCCAGGAA | ACTGTTCCAG | GTTAATAGAG | ACTAAAGAGA | TAGCAACCAA | ATGCAATTTG | 192840 |
| TGATCCTGGA | TTGAGGGGAA | AAAGTGTTGT | CAGAGACATG | ATTGGGACAG | CTGGTAAAT | 192900 |
| TTGAATTTGA | ATTTAAAGAT | AAAGTATTGA | GTAATATAGG | AAGATGATTA | TCTGCAACTT | 192960 |
| TCAAATGTTT | CAGTAAGTAT | ATATATATAT | AAAGAGATAT | AAAGACATAT | AAATAAATGG | 193020 |
| ATAGGTAGAG | AAAAAGCAAA | TGTATAATAT | TAACAATCTA | GGTAAAAAGT | ATATGAGTGT | 193080 |
| TCTTTGTACT | GTTTTTCTGA | TTTTTCTATA | TGTTTGAAAT | CATTTTAAAA | TAAGAAGGTT | 193140 |
| TTTGGGTTTT | TTTTGTTTGT | TTTTTGTTTT | TAGAGACAGC | ATCTTATTCT | GTCACCAGGC | 193200 |
| TGTAGCTCAG | TGGCCCAATC | ATTGCTCACT | GCAGCCTCAA | CTTCCTGGGC | TCCAGTAATT | 193260 |
| CCCCCTACCT | CAGGCTCATG | AGTAGCTGGT | ACTTCAGGTG | TGCACCACTG | CACTCAGCTA | 193320 |
| ATTTTTATTT | TTTAAATTTT | TGTAGAGATG | GCATGTTGCT | ATGTCACCCA | GGCTAGTCTC | 193380 |
| AAACTCCTGC | CCCCAAGTGA | TCCTCCCACT | TTGGCCTCCC | AAAGTGCTAG | AATTATAGGC | 193440 |
| ATGAGCCACT | GCACCCAGCC | CCAAATAAAA | AAGTATTTTA | TTTTAATTAA | CTAATTAACT | 193500 |
| TTGAGTCAGA | GTTTCACCTT | TGTCACCCAG | GCTGGAGTGC | AATGGCATGA | TGTTGGCTCA | 193560 |
| CTGCAAACCT | TGCCTCCTGT | GTTTAAGCGA | TTCTCTTGCC | TCAGACTCCT | GAGTAGCTGA | 193620 |
| GATTACAGGT | GCCTGCCACC | ATGCCCAGCT | AATTTTTATA | TTTTTAGTAG | AGACGGGGTT | 193680 |
| TCAGCATGTT | GGTCAAGCTT | GTCTCAAACT | CCTGACCTCA | GGTGATCCAC | CCACCTCCGC | 193740 |
| CTCCGAAAGT | GTTGATGAGC | CACCACACCC | GGTCTAAAAA | GTATTTTAAA | ACCACAGTCC | 193800 |
| CACTCTACCT | TGTCCTACAC | TACCAGGGGC | TAGGATCACC | CCATGTCTTC | TAGGCTATGA | 193860 |
| GATAGAGGAA | TCCAAGGAAG | AAGATAAGCT | ACTTGGTTCC | TCTATAGGGT | CTTGTGTGTG | 193920 |
| CTCTCATGTG | CTCTCTCTCT | CTCTCTCTCT | CTCACACACA | CACACACACA | CACACACACA | 193980 |
| CACATGAATA | CCAGAGCTAT | CACTTTCCCA | GTCTAGTACT | CATCTCATCC | CAAGGGTTTT | 194040 |
| GTGTTGTAGT | GGTTTGCTCA | TTTCTTTGTT | TTGTTTGTTT | GCTTGGATTA | TTCTTTTTCT | 194100 |

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| CTTTTTGCAG | CTGAAGGGAG | AATTTCCAGG | CCAGCCCTTT | GGCCATTAGA | GTTACAGTGC | 194160 |
| CTCTATTTCAG | GCTTCATAGA | GAGACCTGGG | ATTCAGTAGT | GGGGGGCTTT | TATCCAGTTC | 194220 |
| AAAATAATGC | ATTCTCACCA | AGATGTACTT | TGAAATAAAA | CAATACTAAA | ACACAAAATT | 194280 |
| TTATTTATGC | TGAACATTGA | ATCACTTTTT | TCTGTATTTT | GTGTAGAAAG | TTATACACAC | 194340 |
| ACAAACACAT | TTGCTCCTGC | TTTGTTTATT | GGCCCAGGGG | TATGTTTGGT | AATACTTCAT | 194400 |
| CAGGCATGAG | TAGTACGTCT | TGGAAGGTGT | GGTCTAAAGC | CTAGACTCCT | ATCTGCTTCC | 194460 |
| TTCAGCATTTC | TCCAGTGTAT | CTGTCATCTG | TCTACCTTAG | GATAGGGGTC | TCCAGAACTT | 194520 |
| CCATTTCACAT | TTAGAAGAGG | GCAGCGGCTT | TCTATGGAAA | ATATGAACTC | TCATTTCATCT | 194580 |
| CTATTCCTTC | TTCTAGCTAT | GGTCCAGCTC | AGCTGTTTGG | AATAAAGTAT | CTATATGAAG | 194640 |
| TCTGCGAATG | GTTCTCAGAC | TGGTTGAACA | TTAGAATCAC | CTGAGTACCT | TCTAAAATTC | 194700 |
| TTATTACCCA | GGGCATATCT | CAGAATGAGT | ACCGCAGGGT | AGGGATAGGA | TTAGGGATCA | 194760 |
| TGATCTCTGG | AGTCTGGTTT | AGGCACTAGT | GCTGTTTAAA | ACTACGTTCA | TGAGGTGGAG | 194820 |
| GTTGCAGTGA | GCCGAGATGG | CGCCACTGCA | CTCCAACCTG | GGCGACAGAG | TGAGAGTCTG | 194880 |
| TCTCAACAAA | ACAAAACAAA | AAAAACCAAC | TACCCTTG TG | ATTTGAATGT | CCATCCAAAA | 194940 |
| TTGAGAACCA | TTAGGTAAGG | CCAAGCTGTA | TAATTAAAGA | GCAGTTTTCA | TTTGTCTGGT | 195000 |
| GTGGTGGCAG | CTTTTTGATA | AGGGAAGTAT | TGTTGCCATC | CACATACCTG | AGCCTCACTC | 195060 |
| CTGAGAACAC | TGGTGTGTAT | GTTGCTAAAA | TTCCCCAGGT | GATTCTGAGG | TTCTTCCTG | 195120 |
| GATAAAAACC | ACTGACCCTG | GGAATGTACC | CACTGCCAAT | CTCCTGCGTA | AACCTTGGAT | 195180 |
| ACTGGGAAGC | CTACAGTTGA | AAATATTGGG | CTTGAGATCC | TGAAACAAAT | CTTGTATTTT | 195240 |
| ATTAAGACTA | ATATTTGGTA | CAGTGCAGCA | AATCAAGGGA | ATTTTGGTGG | CTGAGTTCTT | 195300 |
| TTAGAACTTT | TGCATTGAAA | TAGGTTCAAG | CAGCAATAAG | TTAAACTAC | AACCTCAGCT | 195360 |
| AAAGGATTAA | AAGACACGTG | AGCTGGGTAG | GATGAGGTCT | AAGGTTGGGT | GTGGCGGCTC | 195420 |
| ATACCTGTAA | TCCCAGCACT | TTGGGAGACT | GAGGTGGGTG | GATCACTTGA | GGTCAGGAGT | 195480 |
| TCAAAACCAG | CCTGGCCAAC | ATGGTGAAAA | CCCATCTCTA | CTAAGAATAC | AAAAAAATTA | 195540 |
| GCTGGGCGAG | GTGCCAGGCA | CCTGTAATCC | CAGCTACTGG | GGAGGCTGAG | GGAGGACAAT | 195600 |
| CACTTGAAC | CAGGAGGCAG | AGGTTGTAGT | GAGCTGAGAT | CGCACCCTG | CACTCCAGCC | 195660 |
| TGGGTGACAG | AGCAAGACTC | CATTTAAAAA | AAAAATAATA | ATAATAACAA | TAATAATAAT | 195720 |

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| TCAGACATAT | CCAGGCATCA | AACAGATACC | TGGGGCAGAT | GAATAGTCTT | GAGATTCAAG | 195780 |
| TCACACATGA | AATTTAGGTG | GAAAATGACA | TTGGAGAAAT | TTGAGATTAT | GATGAATGGA | 195840 |
| AATTTTTC | AGAGGAATTT | CAGGCTCTGT | TCTTGAGGGG | ATAGATGGAC | TTCCAACAGC | 195900 |
| AATAACACAG | GATTAATGAG | GACTTGGGAT | GTTACATAAA | TTAGAGATGT | TAGATGGATA | 195960 |
| AAGAGATAAA | AGTACTCTCT | CTAAGAACAT | GGGACCAGAG | ATAGGCTCAC | TTCTAACCAT | 196020 |
| CAGATATAAC | TAGCAGACTA | AACGGTCTAA | AAATAAAAAT | CATGCCCCAC | TCCTGCTTAA | 196080 |
| GACATTTTAA | TTACTCTCAG | TAACCTTTCA | GTTTTTCTAC | TGTGTTATCT | TTAACTACAG | 196140 |
| GGTTGGTCTG | GGTGTGCAAC | ACAAGAAAGC | CTGGCATATA | CATGGATTCA | AGTGTATGCC | 196200 |
| ATGTGCAGGT | ATTCTTTCAT | GTACTATTTT | ATGTATTCTT | TTTCACATCT | GTTTTTTCCT | 196260 |
| TCATTGAAGT | CAATGGCTGA | TATTAGATTC | TACTATTCAT | GTGTACTAGT | TATATATAAT | 196320 |
| TGTTACAAAA | CAAATTAGCA | AAAACCTTAGT | GGCTTAAAGC | AACACACATT | TATTATTACC | 196380 |
| TAAGGTCTGT | GGATAGAAGT | TCTGACATGG | CTTAACTGGG | TTCCCTGCTT | CAAGCCTCAT | 196440 |
| GTGGCTGCAA | TCCAGGTGTT | GGCTGAGTCT | GAATTCTCAT | CAGAGGCTTG | ATTGTGGAAA | 196500 |
| TTTCCACTTC | CAAGCTCCCT | CAGGTTTGTT | GAAAAATTCA | GTTCTTTGCA | CCGGTAGAAG | 196560 |
| CTTCTTG GTA | GAGGCTGATT | CAACTTCTAG | AGGCTGTCTG | CAGTTCCTGT | CACCCAGGGT | 196620 |
| GGAGTGCAGT | GGAGCAATCA | TAGCTCACTG | CAGCCTTGAC | CTCCCAGAAT | CAATCTGTTC | 196680 |
| TCCCACCTCA | GCATCCTGAG | TAGCTGGGAC | CACAAGTGTG | TGCCATCACA | CCTGCCTAAA | 196740 |
| AAACAAACAA | ACGAAAAAAA | ACCCCCAGAG | AACTTTGTAG | AGACAAGCTG | GTCTGGAACT | 196800 |
| CCTGCGCTCA | AGCAATTCTC | CTGCCTTAGC | CTAAAAGTTC | TGGGATTATA | GGTATAAGCC | 196860 |
| ACCATACCTG | GCATATGGCA | AGTCTTGAGC | AGGACAAATA | CAGATGATTT | ATGTCTGTCT | 196920 |
| TCCATGGTAT | TCTAGGTTAT | TGTTGAGATG | GTCCTCTATT | GTCTTGTTCC | ATCTATTGAT | 196980 |
| TAGATAAAAC | GTTGTTCCCT | CTGTTATTTT | TCAACAGTAG | CTTTTATGTG | TCTCTCTTTA | 197040 |
| TCTTAAATTT | CTAACCAAAG | AGCTGCTCTT | TTCTTGGTGT | ACTTTACCTT | TGGTTGATCC | 197100 |
| TTCTTAACTT | CTTCTTGCCC | TCTGGGGCCT | AAGATGAGGG | CTGTTATCAG | ATGTGAGTCT | 197160 |
| ATGGGAAAGC | AAGCAAGAGG | TTCTTCAGCC | TCCGTTCAGC | CTTAAATGTC | TAGGTAGAAA | 197220 |
| TCAGTCATGG | CCCTTCCAAT | GTGGTACAGA | CCAGATCACA | GAGACAGGGG | TCTCAGCCAA | 197280 |
| GGTCTTGTTG | CCTAAGCCTT | ATAGAAATAA | TGAGTGTTTA | CTTACTTGGA | GAAGTCCCTT | 197340 |

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| GGAATATCTT | TTTTTGTGAA | CCTGAGGCAA | CTTTTGGTGA | TTTCTTGATG | TCTTGGAAT | 197400 |
| CTTGGTCTAG | AGCCATTTCA | ACCCGATTTC | TTTTCATGTC | AGTGGCATT | TGTGACCAGA | 197460 |
| TAGTAAATAA | GTTCTATGAT | GTTCACTCAG | AGAAATACAA | TGACTTATGA | TGCGAAGCTT | 197520 |
| CTGTGGTTCA | GCCCTTACTT | CATCTTCATT | CCCTCTTATC | TGCATCTGTC | TCCTGCTTGG | 197580 |
| GAACAAAAGT | CTGGCTTCAT | TCTATGACCC | CCACGTTGAG | TTTCTTAGTA | GCACTTACTT | 197640 |
| TTCAATTAGG | AGTGTCCCTCA | CTTCTATCCG | TCAGACATAA | CTAGCCGACT | AAACAGTCTA | 197700 |
| AATATAAAAA | TCATGTCCTA | CTCCTGCTGA | AAACATTTTA | ATTACTCCCC | ATCATTTAAT | 197760 |
| TTTTTCTACT | GGGTTATCTT | TAAC TTCAGA | GTTGGTCTTG | TGTGCAACAC | AAGAAAACCT | 197820 |
| GGCATATACA | TGGATTCAAG | TGTATGCCAC | GTGCATGTAT | TCCTTCATGT | ACTATTTTCA | 197880 |
| GTATTCTTTT | TCACATCTGT | TTTTTCCTCT | AAAATTTATT | TCCTTTTAAA | AATGAAAATT | 197940 |
| TTGCATTTGA | CTAAATTTGT | CAAATTTAGT | CAAATTTGTT | TAAAACCATT | TTTAAAATGT | 198000 |
| TTCCCGAAGT | TTTGAGTGAA | GTTAGTACTT | CAGAAAAACT | GTTTTGTATT | TTTCTGTGA | 198060 |
| CCTCAGTGCA | CTGCTGTGCA | TTTCCATTTC | TGCGTCCACA | CACATTTGTT | TTGAGGAAAT | 198120 |
| ATAGGAACGA | CAAGATAAAG | TTCAAGCTCC | TGGACATTGC | ATAAAAGACC | GTCATGACCT | 198180 |
| GGTCCTGTTG | ACTTCCCTAG | ATTTCCCGCT | ATTTCCCTAAG | TTGAGATTTT | TGGTTTGGAT | 198240 |
| GCTTTGTGTT | TTCTTAAAT | CAAAATAGGT | TTTTGCCTTT | TATGATTATA | CAGTAAATAA | 198300 |
| ATGCTATTTG | TGTGAAACTT | TAAACAATAC | AAAAAAAACC | TAAGGAAGAA | AGTCAGATTC | 198360 |
| ATCTAAAAAT | CCTTGTGGCC | AGAATTAACT | ACCTTAGTTA | CTATTTTCTC | TATCTCTCTC | 198420 |
| TCTCAATGTA | TATTTGGTGT | AGGTATAGGG | GTGTGTGTAG | TGTGTGTGTA | TGTATATATC | 198480 |
| TGTTTCTATT | CCTGTATGTG | GATGTGCACA | ACGCATCCTG | CTTTGTACAC | TACAGTACTA | 198540 |
| GCATTTTCT | AATGTAATTC | AATATTGTTG | AAAACATTTT | AAAAAAGCTT | GTATATATAC | 198600 |
| ACACACATAC | ACATACATGC | ATGTATGTAC | ATATACACAT | ACAGACAAAA | ATGTATCCTA | 198660 |
| TGTATATTCA | CACATGTATA | CACACTCACA | CATACATAGA | GTTTTACATC | CATAGTTTAT | 198720 |
| AAATGTTGCT | TTTTTTTGGT | CACCTTTTTG | CTAAGTCTTA | CACTTTTTTT | TTTTTTTTTT | 198780 |
| GAGACGGAGT | TTTGTTGTCA | TTGCCAGGC | TTAGTGCAGT | AGCGCGATCT | CACCTCACTG | 198840 |
| CAACCTCGAC | CTCCCGGGTT | CAAGCGGTTT | TCCTGCCTTA | GCCTCCTGAG | TAGCTGGTAC | 198900 |
| TACAGGTGTG | CGCCACCATG | CCTGGCTAAT | TTTTGTAGTT | TTTTTATAGA | GACGAGGTTT | 198960 |

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| CACCATGTTG | GCCAAGCTGG | TCTGGAAGCTC | CTGACCTCAA | GTGATCTGCC | TGCCTCAGAT | 199020 |
| TCCCAAAGTT | CTGGGATTAC | AGATGTGAGC | CACTGCACCC | GGCCAAGTCT | TACACATCTT | 199080 |
| TTTTTTACCA | CTAAACTGTT | TACCCAAACC | TGATAACCCA | AGTCAACAGC | TATTATGGCT | 199140 |
| CACACAATCT | TATGTAAACA | AAGATACAGA | TATATAGAAT | TTTCTTGATT | AATATTCAGA | 199200 |
| AAAAAATGGA | GTCCCTTTAT | ACGTCCTTAG | TATCTGCTTT | ACTCATTTAA | AAATGTATTA | 199260 |
| CATTATATGA | AAGTATTCAG | GTCAAATGTT | ATAGATGTGA | TTCATTCTTT | TTAACTGTGT | 199320 |
| TATTTTTCTG | CAATGACTAT | GTATCACAAA | GTACTCAGTC | TTCCACTGAT | GAAAATTTGG | 199380 |
| GCTATTTCCA | GTTTGTCTTC | CATTTTTCTT | TCTTCCTCTT | GGATTTTCAC | TCAATGTGTT | 199440 |
| TACTAATTTA | GGAAGAATCA | ATAGTTTTTA | TGGTATTACT | TCTCCCATTG | AAGAATATAG | 199500 |
| CATATGGTAT | AGTATAGTAG | AGTACTTAGT | TTAATTTAGC | CAGATCCTGT | TTTCTGCCCT | 199560 |
| TTAATAAAAT | TCTATCATTT | TCTGCCTTTG | AGTCACATTT | TCCTTGTTCA | TATAATTCTT | 199620 |
| AAAAAATGTA | TAGTTTTCAT | TCTAAGGGAA | CATAAAAACT | TCTTTCCATT | TCTATTCCTG | 199680 |
| TCTAGTTAAT | TCTACTATTG | GGAAAAGTAA | CTGTTAAAAA | AAATTCTTAT | CTTTCCAGTC | 199740 |
| AGTTCACCAC | ATTTCTTTTA | TACCTTTGTA | CTTTAATCCC | CAGTCATGTT | GAACACTTCT | 199800 |
| TATTCCTCAC | ACCAAGCCTC | AACGGGTTTG | CTCTTTCTGG | AAGGTGCTTC | CCCTGTATTA | 199860 |
| CTGACTTATT | CATACCACAC | ATGGAGACTG | GCGCAGCCCT | GTTCTGCCTG | GGAAGCCTTC | 199920 |
| CCCTGATACC | CCCAGTTGGC | AGGAGTCTTC | ATTTGTTCTT | TTCTAGTCAC | CTGTGCAAGT | 199980 |
| TTGTATTGTT | CATGTTTATC | ATCCTTCATT | CTAGTTGTCT | GTCTCTGTGT | GTGGTCTCAT | 200040 |
| TCAGTGGACT | CTGAAGTCTT | ATGAAGTCAT | GTCATGGGTC | AGATCTTAAT | AAATTAATAT | 200100 |
| TGTCGGAAGC | TAATGTCATG | TCTAGAATAC | AGAAAATTTA | TCAAAAAAAA | ATATAGTATG | 200160 |
| TTGGCTGGGC | GCAGTGGATC | AAGCCCGTAA | TCCCAGCACT | TTGGGAGGCC | GAGGCAGGAG | 200220 |
| GATCACATGA | GGTCAGAAAT | TCAAGACCAG | CCTGGCCAAA | ATGGTGAAAC | CTCATCTCTA | 200280 |
| CTAAAAATAC | AAAAAGTAGC | CAGGCGTGGT | GGTGCCACCC | TGTAATCCCA | GCTACTCAGG | 200340 |
| AGGCTGAAGC | GGGAGGATCA | CTTGAACCTG | GGAGGCAGAG | ATTGCAATGA | GCTGAGATCA | 200400 |
| TGCCACTGCA | CTCCAGCCTG | GGCGACAGTG | AGACTCCATC | TCAAAATAAT | AATAATAATA | 200460 |
| ATAATAATAA | TAATAATAAT | AATTGTATGG | AATTGAACTG | CTCTGATTGG | AAATAGCTGT | 200520 |
| TTTTTAAAAA | ATTATTATTT | TTTAAGTTCC | TGGGTACAAG | TACAGGATGT | GCAGGTTTGT | 200580 |

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| TACATAGGTA | AACGTGTGCC | ATGGTGATTT | GCTGCACCTA | TCAACCCATC | ACCTAGGTAT | 200640 |
| TAAGTACAGC | ATGCATTAGC | TCTTTTACCT | AATGTTCTCC | CACACCCCCA | CCCCATCCTC | 200700 |
| CCCCAACAGG | CCCCAGTGAG | TGTTGTTCCC | CTCCCTGTGT | CCACATGTTT | TCATTGTTCA | 200760 |
| GCTCCCACTC | ATAAGTGAGA | ACATGAGGTG | TTTGGTTTTT | TGTTCTTGCC | TTAGCTGTTA | 200820 |
| ATGTCAGGCC | AGAGAGGCTT | AAATTTTTAA | GGATCTCTGG | ACTTTTCTTC | TACATTACTC | 200880 |
| TTGATGTTTA | TAAATGTTAC | AACTTCTTTA | ATTTTCATTTA | ATGTATACCT | TATTGAGTTG | 200940 |
| ATTTAACTGA | GTAACTTTG | TTATATGAAA | ATCATGATTG | GGAGTGAGGG | GGTTAAACCA | 201000 |
| GCTACAGAGA | TCTTGATTGT | TGGTGGTGAA | GCAATGCAAG | AATTCATTCA | TTCAGTAAAC | 201060 |
| TAATGTTTAT | TAAGCGTGTA | CTGTCTTAGT | CTGTTTCAGAC | TGCTGTAAAC | AAATATCATA | 201120 |
| AACTGGGTGA | CTTATAAACA | ACAAAAAATT | TATTTCTTAC | AGTTCTGGAG | GTGGGAAGTC | 201180 |
| TAAGATTAAG | GCCCTGGCAA | ATTTAGTGTC | TGGTGAGGAC | AGGTAGCCAT | CTTTTGTCTG | 201240 |
| AGTCCTAACA | TGGCAGAAGG | GTTGAATAAA | CTTCCTTGGG | TTTCTTTTAT | AAGGACACTA | 201300 |
| ATCCTAGTGA | TGAGGTTTCT | GCCCTCATGG | TATAACTACT | GCCCAAAGAC | CCCTCCTTCT | 201360 |
| AATATTATCA | CTTTGTGGGT | TAGGATTTCA | ACATGAGTTT | TGAGAGGATA | CAGACATTTG | 201420 |
| GATCATAGCA | CACACCATAG | GACAGACACT | GTGCCAAGAA | TTGTGGATAT | AGTGATTCTC | 201480 |
| AAAATGAACA | AGATCCCCTC | AGAGAGCTTG | CAAAATCCAG | CTATAAAATT | ATGCTTTTTA | 201540 |
| AACAAATTAT | GCAGTTTGAA | AAATCTACTC | TGAATCTTAC | TTGTGGCATT | GAATACTTTC | 201600 |
| GGCCACTCTT | TCCTTATTAT | ATTAAATATT | TACTCTTGTT | TGGGGGATCC | AGTCTCACCT | 201660 |
| ACTTTTTCTA | CCAGAACTGG | TATCAGCTCA | TGCTCTGCCT | TATGCAAATT | AAGAAAATAT | 201720 |
| CATACCTTTT | GGGTAAATTA | AGCCAAGAAA | GTTCTCCTTT | CTTCTCTTTC | TCTCTTTCTT | 201780 |
| TCTTTCTCTC | TTTCTCTTTC | TTTCTTTCTC | TCTCTCTCTT | TCTTTCTTTC | TTTCTTTCTT | 201840 |
| TCTTTCTTTC | TTTCTTTCTT | TTTCTTTCTG | ACAGGGTCTT | GCTCTATTGC | CTAGGCTGGA | 201900 |
| GTGCAGTGGT | GCAATCTCAG | CTCACTGCAG | CCTTGAACTC | CAGGGCTCAA | GCAATCCTCC | 201960 |
| TGAGTAGCTG | GGACTATAGG | CATGTGCCAC | AACATCAAGC | TAATTTTTGC | ATTTTTTTGT | 202020 |
| GGAGACGGGA | TCTCCCTATG | TTGCTAAGGC | TGGTCTTGGA | TTCTGCGGCT | TATGCGATTG | 202080 |
| TCCTGCCTCA | GCCTCCCAAA | GTCCTGGGAT | TACAGGCATG | AGCCACTGCC | CCTGGCCATT | 202140 |
| ATAACTATTT | TCATTGGCTT | ATCAGGCACA | TGATAACTAT | AATAAATCAA | TAACCAGAAT | 202200 |

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| TTTTAAATAA | AGAAAGGAAG | GAATTGTTTC | AACTCTTCCT | GCTACCCCTC | TATCCCTCAA | 202260 |
| AAGGGTAGGC | TGAATGTTGT | CCTCCAAAGA | TATCCATGTC | CTAATCCCCA | GAACCTGTAA | 202320 |
| ATATATTACC | TTATATGACA | AAAGGGACTT | TACATGTTTA | ATAAGTTAAG | AATTTTGAGA | 202380 |
| TGGGCAGATT | TTCCTGAATT | TTGCAGATGG | GCCCTAGTGT | AATCACAAGG | GTCCTTATAA | 202440 |
| GAGACAGGCA | GAAGAGTCAG | AATAAGAGAA | AAATACTTCA | AGATGTTACA | CTGCTGGCTT | 202500 |
| TAAGGTGGAG | GAAAGGCCAA | GAGCCAAAAA | ATGCAGTGGT | CACTACAAGC | TGAAAAGAAA | 202560 |
| AAGAAATGGA | TTTTCCCCTA | AAGCCTCTGG | AGGGGGCACA | ACCTTGCCAA | TACCTTGATT | 202620 |
| TTGGCTCAGT | GAAACCCATT | TTGGACTTCT | GACCTTTAGA | ATTGTAAATA | AATAAATAAT | 202680 |
| TTTGTGTTGT | TTCAAGCCAT | CACAGTTGTG | GTAATTTACT | ACAACAGCAA | TAAAATAGAA | 202740 |
| TTAAATACAG | AGATCTGAGG | AGTTGAGTAG | GATAAGCCTA | CTCCAGCAGG | TTATTTTCGGG | 202800 |
| AGTATGGTGA | GACTCACTAG | GATGGCGGAA | CTCAATTAAG | GAAGTCTGAA | GCTGATAAGC | 202860 |
| CAGAGAGGGA | AGGCTCTCAT | TTCATTTTAT | AAGGGTTGCG | TCACACTAGG | AAGATCCAAT | 202920 |
| AGCAACCACA | GTCTCAAAAT | TAATGATTAC | AAATAGGACA | CAATTCCAAG | AGTCGGGAGC | 202980 |
| CAAGCAGAAA | ATGGATTAGG | GAAGACATGG | ATGATATGAA | ACAGGAAGGA | GGGGTACAAG | 203040 |
| GCAGCTTCCT | GGGAAGTTGC | CAGGGCAGTC | ACAGTTCACA | TTCATTAGGC | TGTGGGCACC | 203100 |
| AAATGCATAT | GGAAAATCTA | GCTGACTTAA | CTGAACTCCT | GAAGAGGAAT | GAACACCTCA | 203160 |
| TTTATTGAGG | AGCTACTACC | AATTAGAATA | TGTATTTTCAT | TTGTTCAATA | ACCCCATGAG | 203220 |
| TACAGTAACA | CAATCCTTGC | TTTACTAAAG | CGGAAGCCAA | TTCAAAGAGG | TTCAGTGACT | 203280 |
| TGTCCAAGCT | CAGGGAAAAC | ACTAGGAAGT | GAATATGGGT | CTGACTCCAT | CACTGATTTT | 203340 |
| AGGAGCCCTG | CCCTTTCCTC | CACACCATGC | CCCCTTGCTT | TCAGAAAAAA | AGGCTTGTTG | 203400 |
| ACTGAATGGT | TGTATGCACA | GTTCAAAGCA | GAAACACACG | ATGACATCTT | TTGAGATACT | 203460 |
| CTAACAGTGA | GAACCTTGAAA | ATGAAGTTAA | AAATTAAGCG | GCAAAACCAA | GCCGAGGCTT | 203520 |
| TCTGAGAAAAG | TGGGGCCAAA | CCTGTTGCCG | TCTGACTGCC | ACGTGGCTCA | CTATTTATCC | 203580 |
| CTGTAAAAAT | CTGCAAAAGT | ATTTGAAAGG | GAAGAAGGGA | CAGAAAACCTC | CCTCCTTTTC | 203640 |
| CAAGTTAGCC | TTATAGTCTA | GGGCTTAAAA | TACTGGTTTA | ATGGTGAAGG | TAAGTGCTTT | 203700 |
| TCTTCTTTTT | GGGTAGAAGG | ATTATTACTA | ACTTACCAAA | GGTCCATTAA | GGGGAGGGAA | 203760 |
| CAGTTTTAGG | AGAAGTCAGA | GAAAAGACAT | TAACAGCAAC | ATAAGGATCT | CCATCTGGTA | 203820 |

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| ATATTGCCTA | ATTCCAAAAT | GAAGAGACTC | TCTGAAAAAG | ATAACTGATT | CAATGAAGAC | 203880 |
| CCTAGGGCAA | GGCTTGAGAA | GCCACTGGTA | CCAATGGACA | CTGTGGACAA | TGGTCATTTT | 203940 |
| TCCAAGGACG | CTGTGAGTAT | TAAGTGTGAT | GCTGTGATTA | GTCAGACTGG | GATTGGCTGT | 204000 |
| GGAATGAAAT | ACTGATCAGA | ACTGACAAGA | TTTGTGTTTG | GGACTGTGGC | TAACGAGTCT | 204060 |
| TTTCAGACTT | CTATATGAAT | TTGAAATGGT | CTCTCAGGAA | AAGGAGAACA | TGGCCGGGCC | 204120 |
| TGGTGGCTCA | CGCCTGTAAT | CCCAGCACTT | TGGCAGGCTG | AGGCGGGCAG | ATCACTTGAG | 204180 |
| GTCAGGAGTT | TGAGACCAGC | CTGGCCAACA | TGGTGAAACC | CTGTCTCCAC | TAAAAATACA | 204240 |
| AAAATTAGCA | GGGCGTAGCG | GCGCGTGCAC | CTATGCGCAT | GCATAGTGCG | CGTGCCAGCT | 204300 |
| ATTCAGAAGG | CTGAGGCAGG | AGAATTGCTT | GAACCCAGGA | CGTAGAGGTT | GCAGTAGTTG | 204360 |
| AGATCATACC | ACTGCACTCC | AGCCTAGGTG | ACAGAGTAAG | ACTCTGTCTC | AAAAAATAA | 204420 |
| TAATAATAAA | AGAAAAGGAG | AACATGACCA | AAGTTATGAA | TAAGACTGAA | GGCAAGAAAA | 204480 |
| TTGTACGCTT | GTAGAGATCA | CCTAGCTTGT | TGCCCTCATT | GTACAGCTAA | GAAAAGGCAC | 204540 |
| CCAGGGACAT | TGTGGTCAGC | ACCAATTTCT | CAGAAAGATA | GGCAGATGAT | GAGAGGGCCC | 204600 |
| TCAGTTTTTC | TAACACTGAA | GGAATTGCTT | CTATGTTTTT | TGGTGAACTC | CTCCCCACTC | 204660 |
| ATCTTGAGGA | TTCCAGGCCA | GAAGAATCCA | CTTTAAAAAA | GAAACATTTA | AAACCAATTT | 204720 |
| AACAACCAAT | CAAAGGCACT | TTTATAGAAA | TACATTTTCT | TTGCTGTAGG | CCTGTATTTA | 204780 |
| TGGATCTGAG | AGGGCTAGAC | TGCCAATATT | GTGACTGTTT | ATTATTATTG | CTGTTGCTAG | 204840 |
| TATCTAGAAT | ATTATACAAC | ATATAACACT | TTGCAATTTA | CGAGGCATGT | CTCATACTTT | 204900 |
| TGTTTTTCACT | CCAAACTGCC | CAGTGAAGTA | ACATTATCCC | AATTCTTCCT | ATGAAACAGT | 204960 |
| GAAAGCCCTA | AGAGTTTTTG | AAACTTTACC | TGGTTTACTC | AATTTGGGAA | TGGCAGAGCA | 205020 |
| GAATTCAGTC | CTTGAATATC | CTCCCACTGC | AGGTTCATGC | TCTTTGATCT | AGGTGTAACA | 205080 |
| TTTACTCTGA | GTAAACTAGG | ACTCTGGGCT | AACAGAGATG | AAGCAAGACA | GGCTGGATAT | 205140 |
| TAGGAGAATC | TAAGAGCAAT | CTAACGACCA | TTATAATAAA | ATCATGAGTT | CTAGACTTAA | 205200 |
| AAAAAGGGAA | AAACCTGTTT | TTTTGCTTAT | GCGTATACCA | TAATATTTAC | ATTATTTATT | 205260 |
| TTTTTCTCAA | ATTCAACCTA | TACTGTGTCA | AGTAATTTTT | TTTAATATAA | CATTTTCCTT | 205320 |
| TAACCTAATT | TCAATTCATT | TTTCTGTGTC | TACTTACAAC | TTTGGCACTA | GAATTCACAA | 205380 |
| TTTTTTTTTA | GAGGTATATC | TCCTTAAAGG | GAAGGGTTCT | GACACTGTTA | CATGTTCTCA | 205440 |

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| ATTGTTTGCA | AATAGGTAA | TAATTATTCC | AGTGTCTCTA | AGTACATATC | AACCATGCCA | 205500 |
| GTGTTTCAGCC | TCCATAATTT | TATTAGCTTC | TGTGCTTATT | TTGGAAAAAC | ATTTCCCATT | 205560 |
| ACCATGAAAG | ACCTCAGTTT | AGGATGGTTT | GGTATGTTAG | CCTGATTTCT | GCATTCGTCT | 205620 |
| CATGCAAAGG | AAAATAGGAA | ACGAAGAACT | GAAATTACCT | ATTGATACAA | AATCAAAGTA | 205680 |
| GCATTTGAAA | CCATAAACT | TAAGTAGGGC | TTTTCATCCT | TTCTCGTTAG | ACAGCAACAG | 205740 |
| AGAATGGGAA | GAAAAACTAA | AGTGATGGGT | TTGTGATACA | ATTCCAGTAA | CATAAAGAGC | 205800 |
| AAGGAGAAGT | AGTTTTGTTG | TGTTTATGTT | TAATATTCAA | AGCTCAACCT | AAAAGTATTT | 205860 |
| TTCATTATCA | AACTTCCTTC | TAGAATAAAT | GATTAAAACT | TGATTTAAAA | TATACAAATT | 205920 |
| CTCCTTTATA | ATACCTCAAA | ATGGAGCTAC | CCCATTGAGT | TTTAAGCTTG | TGATTAAAT | 205980 |
| ATTACGAAAA | CAAAGGGGAA | GTTGTAATAG | GTAGAACAAG | CAGTAGTCTA | GGCATTAGGG | 206040 |
| GATCTGGTGC | TGGCTCTGTG | CATCATGTGG | TTTCAGGCAA | CTTTTCAAAT | TTTCTACGCA | 206100 |
| AATTTTCTTA | TCAATAAAAT | AAACAGTTGG | GCCAGAGGAT | CTCTGAGTCT | CTTTCAGCTT | 206160 |
| TCAGTGTTTA | TAAGATTGGA | GAAGTTGGTG | GGAAAGCTTT | AAGTGGAGTG | TAAGTAATTG | 206220 |
| CAGCTGCATG | TACAGTTAAA | GAGTTGCCTT | CAGCCAAGCC | ACGGGATCTT | GCATAAAAAG | 206280 |
| TGAAATCAAA | TAGAAAATGG | TCCAAACTCT | GGGTTTGACC | ACAGATGACT | TCAGCTAGGA | 206340 |
| TCTGAGTGTA | GAGCAATGAG | CTGAACTCCT | GATATCCAGA | TGTTAGCAAG | ACTTGGAGGC | 206400 |
| CTTCTAAGGC | AGAGCAACAA | CCAGTATCTG | TCCTGGTGCT | GACCTGATCT | TACTAGCAAT | 206460 |
| TGGGCCTCCA | TTTGGGTCCA | TTGTACAAAA | CAACAACAAC | AACAACAATA | AAATCTCCAA | 206520 |
| ACACCCAAAA | TTCAAAATTT | AGATGGAGAG | ATACTATTCC | CAGAATTCTA | GAGATATTTG | 206580 |
| GAAAGCAGAA | AACTATACTT | GCCATGCTGA | TGAAGTCCAA | TTATTGCTCT | TTTAAATACA | 206640 |
| TTTAGCTACT | TCTGAATATA | AAATGAGTAT | CTACTAATTA | TTTACAAAAT | CACTTGGTAA | 206700 |
| ATATAGAAAG | TCACAAAGAA | TGAAGTGATC | ATCCTGTTTT | GTAACCCAGA | AATAGTCATT | 206760 |
| ACTGGCACTT | GTGTGAATCA | GTTTCTATTC | CTGTATGTGG | ATGTGCACAG | CGTATCCTGC | 206820 |
| TTTGTAACACT | AGAGTACTAG | CATTTTCTTA | ATGTAATTCA | ATATTGTCGA | AAACATTTTA | 206880 |
| AAATAGCTTC | CATCACAATA | ATCTATCAAA | TTGACTTGCC | AGACTCTCAT | TATTAGGTTA | 206940 |
| ATTTATCTCT | AACATTATGC | AGTCATGAGT | AATACTACAA | AGGATATTTT | TGGACACAAT | 207000 |
| TTTTCATCTA | TGCCTTTCTT | TATAATCCTT | CATCCTAAGG | TCACAGATTA | TGAATATCTT | 207060 |

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| TAAAGTACGG | ACAAGTCTTT | TAAATTTTGT | GTGCAAAAAC | AGTGCAAAGC | CTTGAATGAT | 207120 |
| AAAATAGAGG | TTTGATATAT | GTGTTTTTTT | GTTTGTGTGT | TTTGAGACGG | ATTCCTGCTC | 207180 |
| TGTCCCCCAA | GCTGTAGTGC | AGTGGCACGA | TCTTGGCTCA | CTGCAACCTT | TGCCTCTTGG | 207240 |
| GTTCAAGCAA | TTATCCTGCC | TCAGCCTCCT | TAGTAGCAGG | GTCTACAGGC | ATGTGCCACC | 207300 |
| ACACCCGGCT | GTTTTTGTAT | TTTTAGTAGA | GATGGGGTTT | CACCATGTTG | GCCAGGATGA | 207360 |
| TCTCGAACAC | CTGACCTCAA | GTGATCCACC | CACCTCAGTC | TCCCAAAGTG | CTGGGATTAC | 207420 |
| AGGTGTGAGC | CACTGCACCC | GGCCGATACA | TGTGTTTTTA | AAGTCACAGA | AATTTTCAGAT | 207480 |
| GTCTTGAAGG | ATTTTAAGCA | ATTTAAAAAA | TAAAGTCATA | GAAGCTTCAA | TTTAGGAATG | 207540 |
| AATGGAAAAT | TGATGATATT | CTTAGGATAT | GGATTTTTTC | TAAAAGAAAC | AAATGTATGC | 207600 |
| ATCCCCAAAG | ATAATTTGAT | TAGTATACAA | ATATTAAATT | AAACATGTCC | ATATTTAGAG | 207660 |
| CCATGAATTC | TCTTTGCCTG | TCACAATAGC | TGGATTTATT | CACAATTGTA | GTAATTAGTC | 207720 |
| CCTGTTTCATT | ATAATTTTCT | AGGTGATATG | AAGACTTTGT | CAGTCCAAGC | AAGTGTCAC | 207780 |
| ATTGTGTGTA | GCAAACATGA | GAATAAACAT | TTTAACTTTT | TAAATGTAAT | ACATATTAGT | 207840 |
| GTTATGTAAT | GTCATCCTTC | ATGTTCGAAG | GCACATGGAA | CATTGTTCTG | GTGGTACAGA | 207900 |
| GGGGAGAGAA | ACACCATCAG | AATGAAAGGA | AAGACCGCTC | TGGAACCTTC | CTCCTTAGCT | 207960 |
| CTTGAGCTTA | GTTTAATTGT | CCTGTCTTAT | GGTCTGCTAC | AAGCAATACC | ACTCTTCACC | 208020 |
| TTCGCATGCT | TCTCTGTGGT | TTGATAAAGT | ACATGCAATT | TTTCATTTAA | TTCTTCCAGC | 208080 |
| TGCACTAAGA | AAGGAGCCTT | ATCTTTATTG | AACAGATGAG | GAAATGAATG | ATTAGAGAAT | 208140 |
| TTAAATGACT | AGCTCTAGGT | CACACAGCTG | GAACCTACAG | CCAGATTTCC | TTTTAACAAT | 208200 |
| CCTGTAACCA | AAAGCATACC | AGTAGTGCCC | CATAAAATGT | AAGTTATAGA | GCTGTGTTGG | 208260 |
| GTCAAAACTT | TTACTGATGC | TAAGAGGAGG | CAACATTAAC | AAGGGGAAAT | TATTTGTGTA | 208320 |
| TTATGTTTTG | GATTATGTTC | TCTCCATAGA | TAAAAGACTG | TCGTAGTAAA | AGAGATTCAG | 208380 |
| GGCACAGGGA | AACTCCACCA | CAAAGCGTGG | TACCATTTCC | CACAGAAGCT | AAATGGACGG | 208440 |
| GAAGCCTGCC | ACCAGGAAAG | GTAAAGCCAC | TGCTCTTGTT | TGCAGGCTAT | GTTAATAAGC | 208500 |
| TGAAGCTTAT | TCCGACACAT | TTACACATCT | CTGCATCACA | CTGACCCTTC | GTAAAGATAC | 208560 |
| TCCCAGTGTA | ACATTGGAGC | CAGCTCCAGC | CCCTGATCCT | GTTGCTTTTT | CCTTAGCCCC | 208620 |
| ATGAAATCAT | CTGTGAGAAA | TTAAGCCAAA | TAAGCAATAA | ATCCTGGGAT | CTAGGGAGTG | 208680 |

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| GAATAAGTTT | TGGGAAAGTC | TTTTTTTTTT | TTTTTTTTTGA | CTGAGTCTTG | CTCTGTCTCA | 208740 |
| CAGGCTGGAG | TGCAGTGGTG | CGATCTCGGC | TCACTGCAAC | CTCTGCCTCC | CGGGTTCAAG | 208800 |
| TGATTCTCCT | GCCTCAGCCT | CCCGAGTAGC | TTGGACTACA | GGCACACACC | ACCATGCCCA | 208860 |
| GATGAATTTT | TGTATTTTTTA | GTAGAGATGG | AGTTTCGCCG | TGTTAGCCAG | GATGGTCTCG | 208920 |
| ATCTCCTGAC | CTCGTGATCC | ACCGGCCTCG | GCCTCCCAA | GTGCTGGGAT | TACAGGCATG | 208980 |
| GGCCACCACG | CCTGGCCCGG | GAAAGTCATT | TTAAACCAAC | CTATGTATGA | ATCCCTACTA | 209040 |
| TAATATTCTC | ACCAAGCGGC | TGGCTCTTTC | TCCTGAGCTT | GGAAACCTCC | AGTAAAATGG | 209100 |
| AAATAATTAT | TTCCCAGACC | ACCACTCTTA | TCTGTGAGCT | TTTTTGGCCA | TTAAAAATTA | 209160 |
| TTTCTTCCAT | TATATTTTTTA | TCTGTGTCTT | CACAGGTTTT | CTCTTTCTTT | CACTTTAGTG | 209220 |
| CTTTTCTTCA | AATAAGCAGG | AAAAATCCAA | TCTATCATGC | ACATGGGAAC | CCTTTCAATA | 209280 |
| TTGGTCTGTG | GTTGTTCCAT | TTTATGGGGA | TGCTTTTAAA | GAAAAAATTT | GTCCTTTCAA | 209340 |
| TATATTGAAT | ATCTTCCAGC | ACCACATCAC | CTGCAAGCTT | TGTAAAAATA | GTTCTACATA | 209400 |
| TTAATTTTTT | TTTTTTTTTT | GAGATTGAGT | CTCATTCTGT | CACCCAGGCT | GGAGTACAGT | 209460 |
| GACATGATCT | TGGCTCATTG | CAACCTCTGC | CTCCTGGGTT | CAAGTGATTC | TCCTGACTCA | 209520 |
| GCCTCCCGAG | TAGCTGGGAT | TACAGGCATG | CATCACCATG | CCTGGGTAAT | TTTTGTATTT | 209580 |
| TTAGTAGAGA | TGGGGTTTCA | CCATGTTGAC | CAGGCTGGTC | TCAAACCTCT | GACCTCAAGT | 209640 |
| GATCCACCTG | CCTTAGCCTC | CCAAAATGCT | GGGACTACAG | GCGTGAGCCA | CTGCACCCCA | 209700 |
| CGTAGTTTTT | TTTTTTTTTT | AAGTTGAACA | TATGTGAAGG | CAGGACCTAG | TGACACATAG | 209760 |
| CAATAACATT | TCCAAGTAGA | CATTACACTA | GGGAATTAGT | CGAAGTGCTC | ATTTAAAGTA | 209820 |
| CCATCTCTCA | AATGTATTAA | AAGAGAATCC | TTGGATGTGC | AATACCTTAA | TTCAAAGGCA | 209880 |
| GCTCGTTATG | TATAAACTCT | CAAGCTTTGT | GATAAACAAA | TGTGCATAAC | AGATGGGACT | 209940 |
| ATTCACTTAC | AGCCCAGGGA | ATTTTATTGA | CGCTGAGAAG | GTTATGTGAC | TGGCTCTGCC | 210000 |
| ACTGTCATCC | CCATTCACTT | CATTTTGGAG | CAATATGACA | TAAATGCCTT | ACATGTGGGT | 210060 |
| TTTCTCTATT | TATCATGTGT | TTCTATCCC | CTTGAAAGAT | GGCCATATTT | GCTTTACTTG | 210120 |
| GTTATAAGAT | CCCATATTCG | CTGTCTTGAA | GCCAACCAA | TAATTTGACA | AAGTGGGTTT | 210180 |
| GTAGTGCTGG | CTATTTTGGT | GAAAAAAGA | CAATGAGACT | TCATGTGTCA | TCCAAAGTTC | 210240 |
| TATCAGATCG | AGCTGTGAGA | GAAAGGAAAA | GAAAGGGGTC | TCAGTCAGGA | TGCTCACTAC | 210300 |

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| ATACATCTGT | GTTGTTGTCT | AGGTCCAGAT | TTCTGTTTAT | TACGCTATGG | GCTGGCTCTT | 210360 |
| ATCATGCACT | TCTCAAACCT | CACCATGATA | ACGCAGCGTG | TGAGTCTGAG | CATTGCGATC | 210420 |
| ATCGCCATGG | TGAACACCAC | TCAGCAGCAA | GGTCTATCTA | ATGCCTCCAC | TGAGGGGCCT | 210480 |
| GTTGCAGATG | CCTTCAATAA | CTCCAGCATA | TCCATCAAGG | AATTTGATAC | AAAGGTAAGT | 210540 |
| ATGATGGAAA | ATAGGGCTCT | TTGTTGAGAG | AAAAAACTTT | GAAAGGAAGG | CATAGATCTT | 210600 |
| GATTCTGTGG | AGTATGGAAG | TATACATTTT | CAATGACAAA | TTAAAACTGA | CTGGAACCTAT | 210660 |
| TTTTCTTTGA | GACATTGCTT | ACTTCAATAA | TAAAAATAAG | ATTTTATTGA | GGTTATTATG | 210720 |
| ATTATAAGGT | GGGGGAACCT | TAGAGTTAAA | TGTGAAAAAT | TTAAAAATGG | AACAGTTTAT | 210780 |
| GTGATGTCTT | CAATGAAAAA | CTAGGTATTA | CCTGGGCACA | TTCTTATAGG | TTACTCAATC | 210840 |
| CTATTCAGTT | CTCTGCCTGT | TTTATTGTTT | CTGAGCAATT | TTATATCCCT | GTAAATTCTA | 210900 |
| TATAACCAAT | AGAAATGCAA | ACGATTCTTG | TCCATAGCTT | TGCAAATAAA | TTTTGCCAAG | 210960 |
| AGAAAAATCA | GTTAAACCTT | TTCTCCACTC | ACCTCCCAGT | TGAATTAGCC | AATTTTGCTG | 211020 |
| TTTGTTTGTT | TGTTTGTTTT | TTGAGATAGA | GTCTTCCTCT | GTCATTCAGG | CTGGAGTGCA | 211080 |
| GTGGCATGAT | CTCAGCTCAC | TGCAGCCTCC | GCCTCCCGGG | TTCAAGAGAT | TTTCCTGTCT | 211140 |
| CGGCCTCCCA | AGTAGCTGGG | AGTAAGGGGG | CATGCCACCG | CGGCTGGCTA | ATTTTTGTAT | 211200 |
| TTTTAGTAGA | GACAGGGTTT | CACTAGGCTG | GTCTCGAACT | CCTGACCTCA | GGTGATCCAC | 211260 |
| CCGCCTCGGC | CTCCCAAAGT | GTTGGGATTA | CAGGTGTGAG | CCACTGTGCC | AGGCTCTGCT | 211320 |
| GTATATTTAA | AGTCTATTTT | AGCATTGCTT | CCTGCTTGTT | TTATGCGTGA | TTCTTTGAGT | 211380 |
| TTTCCTTTGA | ACCAGTTATA | ACATCTTACT | TACTTCCTCC | ATTAATCAAT | GAGTTAAATA | 211440 |
| AAATCTTTGT | TGTATGTTTA | TTTTACATTT | ATATGAAAAC | CATGAATTTA | CCCAATTAAA | 211500 |
| AAAATTATCC | TTTAAATTAT | CTTGTACTGT | ACATTTCCCA | TGTCATCCCT | ATAATTCATG | 211560 |
| ATTAATGATT | TTATTACATT | GGACCTAGCT | TATTTACAAT | GAGTACATAA | ATTTATTGTC | 211620 |
| TCCAGTCTTT | CCTCCATTAT | CCCGTCTACA | TATCCACACT | GAGTAGATTC | ACTACTCAGG | 211680 |
| AATCTTGAC | ACCTTCAAGT | TGCCAAACAT | GCAGTGTTCA | CTGGACATGC | TGTGTTTCCTT | 211740 |
| CAGAATTTGG | GCCTGCTTCT | CAGCACACTC | ACATCTGCTA | TCAATGACCC | ATGGAAAGTT | 211800 |
| TTTGCCCTGA | GCAAGCCAGA | GTCCCTGTTA | GTTTCTTCCA | AATGCTACAA | GTTCACTTTT | 211860 |
| GCTATTTTTT | CCGATGAGAT | AAAATTTTCC | TTTTTGACTT | TCTACAAATC | ATAGTCATTT | 211920 |

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| TTCAAGGGAT | AGTTCAAGTA | TTGCTTCCTT | TCTGGGACCT | TCCCAAATTA | TTATTTTCTC | 211980 |
| CTCTCAAAGT | CTCTGTTTTA | TTTATGTTCA | TCCTCAAATC | TTGATTCTCA | CATGAATCAT | 212040 |
| ATACCTTGTA | TTATTTATAG | TTTTTTTGAG | TGGGTAAAAT | ATTTTCATATT | TTATATTCTT | 212100 |
| TGGCTCTCTA | CTTTATAGCA | TGATGCCAGA | TATTTAGGGG | CCTTATTGCA | TTTATTTTTT | 212160 |
| ATTTTATTTT | AAAATCTATT | TTATTTTTTA | TTTATTTATT | TTAAAATCTA | TTTATTTTTA | 212220 |
| GGTAAATATT | CAGGTAATAT | AATTTATGTA | ATTATTTAGG | AATTTTAGGT | AGTTATTTTA | 212280 |
| AAATAATTCA | AATTATTTAT | TGAGTTATAT | CAGAAGAATG | TGATCTTATT | CATTTGTAAT | 212340 |
| ATGTGTTTTA | GGAAGTCAGT | TCAGCCAGGG | CAGACCATGA | TTCCCAAAGT | TGACTTTTCT | 212400 |
| TTTTAATTAG | GCACTGATTT | TGGTTAAGAG | TTCAGTAAAG | TTTTGTGTGT | GTGTTTTAAA | 212460 |
| AAATTCTTTG | ATATAAGAGT | CAAGATGTTA | CTCAACTTTT | ACTAGAAGCA | AAATAGAGGA | 212520 |
| AGTGCTTTCA | CAGATGAAAT | ATCTCTCAAT | GTTTTCTTCC | ATTTACTTCT | TCCTATTATT | 212580 |
| CATCTATATA | ATCATTCTCT | TTACCTCTTT | TCTTCATTTT | TTCTGTTTTT | CTCTCCTTCT | 212640 |
| ACTAAGACAA | GCAAATTAGG | GGTATAATTG | GTTATTTGGG | AAGGTAGGAA | GAATATAGAG | 212700 |
| AGAAACAAAA | ATCAATATTT | TATACTAGGG | TCTCACTAAC | CTCAAGCAAC | TCTGACTGTA | 212760 |
| AAGTAGATTT | TCATAATAGG | ACTTCTTGAC | AAAGAGTTTT | CCTATTTTTT | CCCCAGGCCT | 212820 |
| CTGTGTATCA | ATGGAGCCCA | GAAAGTCAGG | GTATCATCTT | TAGCTCCATC | AACTATGGGA | 212880 |
| TAATACTGAC | TCTGATCCCA | AGTGGATATT | TAGCAGGGAT | ATTTGGAGCA | AAAAAAATGC | 212940 |
| TTGGTGCTGG | TTTGCTGATC | TCTTCCCTTC | TCACCCTCTT | TACACCACTG | GCTGCTGACT | 213000 |
| TCGGAGTGAT | TTTGGTCATC | ATGGTTCGGA | CAGTCCAGGG | CTTGGCCCAG | GTATCCAGAT | 213060 |
| ACTTTCTCAT | TCTTGGTGGG | ATCCAGATTT | CTGAATTCTA | CAAAATATCA | AAGGTCTTAA | 213120 |
| TGATTTTCAT | TTCAGGGAAT | GGCATGGACA | GGTCAGTTTA | CTATTTGGGC | AAAGTGGGCT | 213180 |
| CCTCCACTTG | AACGAAGCAA | GCTCACCACC | ATTGCAGGAT | CAGGTAAGTG | TGCACAGATG | 213240 |
| GGTCATAGCT | TTGTCATCTG | TTCCATCCCA | CTGTGTCTTA | TCTTCTATGA | ATCAAATGGT | 213300 |
| TTGGGGAAGA | GAGAGAAAAA | GTAAGTCTGA | AAAATTCAAC | AATATAAGAC | ACTTGCATCA | 213360 |
| CAAATAGGAA | AGATGCATCT | GTGCAGTAAA | GACATTGAAG | CTTAGAAGTA | GAAAAAACCA | 213420 |
| TTGTGAGCTA | GGTTTCAGCT | CAGAAAAGCC | TTAGTAGTCA | GAAAAGCCTT | AGTAGTCAGA | 213480 |
| AAAGCCTTGT | CGGAAAAAGT | TTAAACCTTT | AAGAATTGCA | CACATGGAAA | AAGATCAAGT | 213540 |

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| AAGCTATATA | TACACCATCT | TAGCAATGAT | TTTGAAGTGA | GAATTAAGGC | TACCACAGCT | 213600 |
| CCAGGTGGTA | AGGAGAGAAA | TCAGGCTGGA | AGAGTTTGAA | GTTTCTGTAT | TATTCTAAGC | 213660 |
| TCTTTACTAT | TCTATTATGA | GCTCATTAAT | TCTCACAACA | ACCCTCTCAT | ATAAGTACCA | 213720 |
| TTTTAAATTC | TTATTTTACA | GAGAAGGGAG | TTAAGGAAGG | TGGAGATTAA | GAAAATTGCC | 213780 |
| CAAATACAAA | TAGCCAGCAG | GTGGTAGGTC | TGAGATTTAA | GCCCATGCAG | ATTTTAGCCC | 213840 |
| CAGAGCAGAC | ATTCTCAATC | ACTATGCTAG | ACTGCCTTTC | CATGGTATGT | GATCCTACTC | 213900 |
| AGGCCTCTAC | AGCTTTATCA | TTGCTGTTCT | CCCCAGCCTG | TCGTGCTGAG | AGTATATACT | 213960 |
| CGAAGAGCAG | AACTAAAATT | CCATCCAGCT | TCTCACTCCT | AGGTCCACTA | CACAGCTGCA | 214020 |
| TCCTGCAGAC | TTTTACCTCA | AGCAACCCTC | CTGCGTTCTT | GCTTCCTTCC | ATCATAGTTG | 214080 |
| TAACCATCTC | CTCTATTTGC | AAATACTATC | TGCTGATCTC | TCTCTTCTAG | ACTGGTTTCT | 214140 |
| TTCAACCTTC | TTCCCACCAA | AACCAAGTTA | GCTTGCTAAA | ATAAAGATGG | CACATTTTTA | 214200 |
| CTCACCCGCT | TGAGAATTTT | CAATGTGTTT | CTTCATGCTT | ACAGAGTAAA | GCCTGACCTC | 214260 |
| TTTATTGCAT | GAATACAAAA | GTTCTTAGCC | ATCTGGCCCC | AACCTTGTTT | CACTCAACTC | 214320 |
| CCCTGTGCAA | GCATGGCTCC | AGTGGCACTG | GACATTGGCT | GCTCTCCACA | TAGATCTGCA | 214380 |
| CTGCACTTCC | CTCTGGCTCT | GCTCCCGTTA | GTTTATATGC | CTGGAAAGTT | CTTTGCCCCT | 214440 |
| GTTCTTGTG | CCAAAATTCC | ATCTATCCTA | TTGCATAGCT | TATGTAAAAA | CTTCCTAAAC | 214500 |
| CTTTTTTTTT | TTTTTTTTTT | TTTTTTTTTT | AGACGGTGTC | TCACTCTTTC | GCCCAGGCCG | 214560 |
| GACTGCAGTA | GCGCTATCTC | GGCTCACTGC | AAGCTCCGCC | TCCCGGGTTC | ACGCCATTTT | 214620 |
| CCTGCCTCAG | CCTCCCGAGT | AGCTGGGACT | ACAGGCGCCT | GCCACCATGA | CCGGCTAATT | 214680 |
| TTTTGTATTT | TTAGTAGAGA | CGGGGTTTCA | AGCCAGGATG | GTCTCAATCT | CCTGACCTCG | 214740 |
| TGATCCGCCC | GCCTCGGCCT | CCCAAAGTGC | TGGGATTACA | GGCGTGAGCC | ACCGCGCCCG | 214800 |
| GCCAAAACCT | CCTAAATCTT | ATAATTATTA | TCAATTTATC | CTCAGATATA | CTTCCACGTA | 214860 |
| CATTGTAGTT | TTATTATATT | TATATTTTAC | ATCTTTTTTT | TCAAATTTCA | GTTTGGGACC | 214920 |
| CATTAGTGAG | TCATAAAATC | CATTGAGCGG | GTAAAAATCA | TTATTTTAAA | AAATGAATAG | 214980 |
| AATAGAATAG | AAATTGTTGG | AGTGCATTGG | ACATGGTAAA | GTAAATATC | GATTCATGAA | 215040 |
| ACCATCGTTT | GAGGCATATG | TGTGTGGTTG | TATGTACAAG | TGTTTATGCA | TATTGGTGTG | 215100 |
| TGTGTTATGT | TACCCTGTAA | AATGCATTTT | TTACTATAGG | TCTCTGTGAA | ATATGTGTCT | 215160 |

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|------------|-------------|-------------|------------|------------|-------------|--------|
| TGTTGTTTTT | TAATGTAGAC | TTCCAAAGCC | TACATGGCAT | TTCACTAGTG | ACAATCAATT | 215220 |
| TTATTCACAT | TTTTCTCTCC | AATTGGACCA | GAAGCTCTTT | GAGGGCAGGG | GCTGTATCTT | 215280 |
| ACCGATTTTT | GTAAGTCTTT | CATTTCCCTGC | CCCTAGCCTC | ATATTAGATC | ATGCAAGAAT | 215340 |
| GCAACTGTAA | TCACAAGAAA | ATGCTAATGG | GCTGTGATAG | CAGAGAGTTA | CTGTGACAAA | 215400 |
| CTAAGGGATT | TAGATTTGGT | CACATTGGTG | TTGAGGAGCC | ATTGAAGAAT | CAGAGAGTGT | 215460 |
| GTTACTATTA | TTTGTTAATT | TTAATTATAT | CATATTACTT | TACTGGGGAA | AATCTGTGAG | 215520 |
| CTATTTTAGA | AATAAATACT | CTCATTGCCC | AATAATTCTA | AGTCTGCCAC | CTCACTGTTG | 215580 |
| GGACATTGTT | TAGGGAGGCC | ACGAAGTCTC | AGCCTTTGAT | ATTTTCATAA | GTGTTTTTCT | 215640 |
| CCCTTTTTTC | TTTAGGGTCA | GCATTTGGAT | CCTTCATCAT | CCTCTGTGTG | GGGGGACTAA | 215700 |
| TCTCACAGGC | CTTGAGCTGG | CCTTTTATCT | TCTACATCTT | TGGTGAGTCA | CTTTCTCTTA | 215760 |
| AATCCTAACG | CCTCCATTTC | CTGAGCATCC | ATTTTGGCAC | CTACACCACC | CACATTCTTC | 215820 |
| CTATATGAAA | GAAAATGTCC | TTTATCAAAT | GGAAGATGAT | AAAAAATGTC | AACGGTTGGT | 215880 |
| ATCATTTTTA | ATCTAGTCAC | ACAACCTGAT | TAACACCTTC | CTGGTGGTTC | TGGGAAGCCA | 215940 |
| CACGCACAAG | GTAGAGGAGT | TGACTATTCA | CATGGCACCC | ACCGACTTGT | GATGCAGTCT | 216000 |
| TGTCCTTCCA | TATCAAGCAC | CTTCTGCAGA | ATCTCTACCA | CCACATCTGA | AGTGCCTGCT | 216060 |
| ATATGCAGTT | AAGATGTCAA | AGATAGTGAA | GTACATTTTC | AATGTGTCTT | CATATTTTCAT | 216120 |
| TATAATTATT | ATTTCTGTCC | AAGATGCCTT | TCACCTGTTC | TCTACCAAGT | TAATCTTGCA | 216180 |
| AAGTTCAATT | CAAATGTTCC | CTTCCCCATG | GGCCCTTCCA | GGGCTTACCC | TATCAGATTC | 216240 |
| TGGCATTCTC | TCCTTTATGA | TATTTCCCTCT | CTAGGTTATG | TTGGTGTGTA | ATTATTTATT | 216300 |
| TCTCCTTTTC | TTTCCACTAG | ACTGTGAAAT | GCTTGAGGCA | AGGAATCCAT | TCTATGTTTT | 216360 |
| CATCACTTGG | GTGTCATCAT | GGTGCCTGAT | TTTTAGCTTT | AAAATAAAAG | AATCAGTGAA | 216420 |
| TCCAGTAATT | AGAGGGGATT | TAAAGAAAAC | TAGTCCTCAG | AATCTTTTAA | CATAGAATGT | 216480 |
| TCTTCAAATA | AGGAATTCCA | ATAATAAGAC | AATTTTCTAC | ACTTGATTTT | GTTTTTATAG | 216540 |
| CCAAATGGTG | TCATTAAATA | TAGTCCTGGC | CTGAATGGCT | TTCTCATTAA | TGATGCTAAT | 216600 |
| TATTTTGGTT | TGTACATGTT | AACCAGGTAT | TGTACAAAAA | TATTTCTTTT | GGGAATCCAT | 216660 |
| AATGGATGTA | TGGCTTGAAT | ACAAATAATA | CTGTCTCTTG | TAAGTGCATT | GGAAATTTTT | 216720 |
| CCCTGCCACA | TGATTTTCATG | GAAGGTTGTT | TCGTGTATGT | ATGACTGCAA | ACCTGACTAT | 216780 |

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| TCAGATCTTC | CGCAACAAGA | CAACTTATGT | GTGCATTAAG | AAGTTGCTGC | CTAAAATACA | 216840 |
| TAACACTGTA | ATCATTGGAG | ACTTTAAAGT | AATTAATCAG | CTATGCAATG | CCACGCTCCT | 216900 |
| GTTATCTCCA | GAGGGCTCTG | ACATTGACAA | ATGGTGGCTT | TCTATTTGAG | ACGTAATATC | 216960 |
| TAAAAAGCTT | TAACAGGTTT | GTAGAAGGAT | TGAAAGAAAG | AATGGGAACA | TTTAGGTCCT | 217020 |
| TATGGTAGAA | TAAGCATTA | TTGATTAGTG | TGTAGAAGGG | AGAGGCATGC | CACTTCAGAG | 217080 |
| GAAACTTCCT | TCCCCAGTA | AACAAATCTA | CCTAAAAACT | AATTTTATCC | CTTCTTCCCA | 217140 |
| GGTAGCACTG | GCTGTGTCTG | CTGTCTCCTA | TGGTTCACAG | TGATTTATGA | TGACCCCATG | 217200 |
| CATCACCCGT | GCATAAGTGT | TAGGGAAAAG | GAGCACATCC | TGTCCTCACT | GGCTCAACAG | 217260 |
| GTACAGTGCA | CACCTTGTA | CTGTGGCCCA | TGCAGAGGTC | TCTAGGGCAG | GGTGTGGATC | 217320 |
| TCCTCTGAGA | GGCACCATCT | TGGCTGCTCT | AATACTCATG | CTGATTAGAT | CTTTCTTTTC | 217380 |
| AGCCCAGTTC | TCCTGGACGA | GCTGTCCCA | TAAAGGCGAT | GGTCACATGC | CTACCACTTT | 217440 |
| GGGCCATTTT | CCTGGGTTTT | TTCAGCCATT | TCTGGTTGTG | CACCATCATC | CTAACATACC | 217500 |
| TACCAACGTA | TATCAGTACT | CTGCTCCATG | TTAACATCAG | AGATGTGAGT | TTACTTCCTA | 217560 |
| TACTTCTACG | AAAATGATAA | TGGTAATAAG | GAGAAACAGT | TCTGTGTTAC | CTATTACATT | 217620 |
| CTGGCTTTAC | ATATAACCAT | TAATTTAACC | TTCACAATGA | CCTTGAGAGA | GGCATTGTTA | 217680 |
| TAATTCCCTT | TTCACAGATG | TGGAAACAGG | ACACTTAGAG | GTGAGATAAC | TTGCCCCAGG | 217740 |
| TTGCACAATA | CTAAGTGATA | GAGCTGCTGC | AGCATCCATA | TTCTTAACCA | CTATGCTATA | 217800 |
| CTACCACACC | AGCTGATTCC | AAAGCTTCTT | TTAGAAATAA | TATTGCTGGG | CCAGGCATGG | 217860 |
| TGGCTCATGC | CTGTAATTCC | AGCACTTTGG | GAGGCCGAGG | CAGGCAGATC | ATGAGGTCAG | 217920 |
| GAATGCAAGA | CCAGCCTGAC | CAATATGGTT | TACTAAATAT | CATCTACTAA | AAATACAAAA | 217980 |
| ATTAGCCAGG | TGTGGTGGCA | GGCACCTGTA | ATCCCAGCTA | TTCAGGAGGC | TGAGACAGGA | 218040 |
| GAATCGCTTG | AACCCAGGAG | GTGGAGGTTG | CATTGAGCCA | AGATCATGCC | ACTGCACTCC | 218100 |
| AGCCTGGGCG | ACAGAGTAAG | ACTCCGTTTC | AAAAACAAAA | AACCCAAGAA | ATTAATATTG | 218160 |
| CTTTTATCTG | GAGCCCAGAG | TGATGCAGCT | TCTGGCCCTC | TTATCTGAGA | CAGTGTTCTT | 218220 |
| TTAGTGTGAA | AAAGGATGCT | AATTTTCCCC | CAAACAACCC | ACAGTATCAT | GGGGGTAAAGT | 218280 |
| TAATGGCTGG | TCTGTGTAAC | TGACAAATTT | TGGTGCTAAC | GTATCTCTAT | AACTACTCTG | 218340 |

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|-------------|------------|------------|------------|------------|------------|--------|
| TATAAACTTC | CTTCCTTCAG | AGTGGAGTTC | TGTCCTCCCT | GCCTTTTATT | GCTGCTGCAA | 218400 |
| GCTGTACAAT | TTTAGGAGGT | CAGCTGGCAG | ATTTCTTTTT | GTCCAGGAAT | CTTCTCAGAT | 218460 |
| TGATCACTGT | GCGAAAGCTC | TTTTCATCTC | TTGGTAAGGA | TAAGCGTGTG | GGCCCATTTA | 218520 |
| ACCAATCCCT | TTTCTGCACA | TGGTCTCAGA | GGGTTCCCTG | ACAGCATGTC | CTCATTGCCC | 218580 |
| AGGGCTCCTC | CTTCCATCAA | TATGTGCTGT | GGCCCTGCCC | TTTGTGGCCT | CCAGTTACGT | 218640 |
| GATAACCATT | ATTTTGCTGA | TACTTATTCC | TGGGACCAGT | AACCTATGTG | ACTCAGGGTT | 218700 |
| TATCATCAAC | ACCTTAGATA | TCGCCCCCAG | GTAAGAGCTC | TACCTGTTTT | TTCCCCTCCT | 218760 |
| CCAGACCCCT | CCAGAGGTGT | TAGACCTCAG | TGGTCGCCGT | GAAACTCTTT | AATGTTACTG | 218820 |
| ACATTGCACT | AATGGCAGAA | TGACAAATAA | CTACAAATAT | CTGTCTGTGG | CCATTTTTAG | 218880 |
| AACAACAAAT | GTGGCATTTC | TAGAACAACA | ATTTCCAATC | TTGGCCAGTA | ATCATTTTGA | 218940 |
| CAAAAACCTT | CCCAAGCTTC | CCTAACAGAG | ATTGAACTGT | GTATGCTGGG | AAAAGGCCCA | 219000 |
| CACACAGGTG | ATTTGGAAAA | GTTTCCATGG | TGTTGTTTAT | ATTAGCTACC | ATATATATAT | 219060 |
| ATATATATAT | ATATATATAT | ATACAGTCAC | AATAAGCCAG | CTCCTGTGCC | AAGACTTGCC | 219120 |
| ATATATCAAC | ACATCTAATC | CTCACAGTTA | TATTAGGTAG | GCCCTATTGT | TATCCCCATT | 219180 |
| TTATAAGGGA | GAAGGCTGAG | GCACAAGGAG | GTTAAATGGT | GTGACTATGG | TCACATAAAG | 219240 |
| GCAGAGCCAG | GATTTGGACT | GGGGGAGTCT | GGCTTTGGAG | TCTGTGTCCT | GCCCGTTGCA | 219300 |
| CAAACCTGGCT | TCTCCACTGA | GCAGCCGGGG | TAAAGAAACG | TGGTTCCCAG | AGAGACTGCA | 219360 |
| TTGCTCCCTG | GTTATTGACT | TGGTAGATTG | GTAATTTTCT | GTTTGGCAAA | TAGACATTGC | 219420 |
| CCTGAATGTC | TTTAGGTGAA | TGAAAACTG | CATTAAGCAA | AATGACTTTG | CCATTAGAGC | 219480 |
| TGAATTGCAT | TAAAGTTGAG | TTGCTGCAGA | AGCTGTAGGT | GGCTTTCTAT | ATAAAATCAT | 219540 |
| TTATAAAATC | ATCTTCCCAC | AGATATGCAA | GTTTCCTCAT | GGGAATCTCA | AGGGGATTTG | 219600 |
| GGCTCATCGC | AGGAATCATC | TCTTCCACTG | CCACTGGATT | CCTCATCAGT | CAGGTTGGGC | 219660 |
| CAGTTTATTG | AACATCTTCA | AGTGGCAGGT | ATTGTTTTAG | GTGTTGGAGA | TACACACGGT | 219720 |
| GCTCTAAAGA | TCTGGATGGC | AACACAATTA | CTCTATTTAC | ATGAGCCTCT | AAATCAGACT | 219780 |
| CTGGTAGGTC | AGATTTCCCA | GAGGAAGAAA | AATATAAGCT | TATTTTCTCA | AGATGAATAG | 219840 |
| ATGTTAGATT | GATTAAAATG | AGCTGTTCCG | GTGCAGAAGA | CAGCACGTGT | GACTTCCTAG | 219900 |
| AGGTACATGA | GCATGAAACA | GTTCTTAGTT | ATGACCAGAA | TGAAAGACAC | ATGTCAAGGA | 219960 |

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| ATAGCAAGAG | ACGAAGACAG | AGGGGCAAAA | GAAGATCATG | AAGAATATGT | TCAGACTAAT | 220020 |
| CCAATTTTTA | AAAAATCACA | AAAGGGAAAC | AAAGTGTCCT | AGGCCAGTTT | AAAGATAATT | 220080 |
| TAATGTCTGG | AAACAGATCG | GCTGTGAGAC | ATTGCAAGGA | GGCTTGCTCG | GTGTTTGGAA | 220140 |
| ATGCAGGCTC | ATGAGGAAGA | TGAAAAGACA | GACCCAGGCA | GGGATGGAAG | GACTGACGAG | 220200 |
| AACCAACTTA | CAAAGAGAAG | TTTTGTTTTT | ACTACATTTT | TATGTGATCA | AGTTCCCAGG | 220260 |
| TTAATATTTG | ACTAACTGC | TAGGAATCCA | CTGTGACTAT | AATGCTGGAA | ATGACTTAGT | 220320 |
| AGGGCTTTCT | GAGGAGGGTC | ACACAGAAGA | CCAAAGAGAA | CTCATGTTGA | ATTGAGATGG | 220380 |
| GTTGTAGTGA | TAGTTGTCAA | CAGCCAATAC | AGAAACAAAA | AAAAACAAAA | CAAACAGCAA | 220440 |
| CAACAACAAC | AAAAAAAAAAC | AGAGAAGACA | CAAACACAAT | GCCACAATGC | CATTTTAGGC | 220500 |
| ATAATTTTAA | ATGAGTAATA | TTATATGTTG | AAATCCAAAT | TTTCAGAAAA | ACATTAGTGT | 220560 |
| ATTTTATTTT | TGTTTAAAGA | AATAACCATC | TCAACTCAGA | ACCCCATGTG | CATTTTGGCC | 220620 |
| ATTTTGTTTC | CAATAGTTTC | ATAAACTTTC | TTAAGTAACT | ACTGCACATT | GTTCTTATA | 220680 |
| TTCTTGTTGA | TCAACATTGC | AATACACAAC | TGGGAGGGCT | ACTAGAACTG | GTGTAGAAGG | 220740 |
| AACTTGTGAG | ATTGATCATT | TTCTCTGTTT | TTTACATCTA | GGATTTTGAG | TCTGGTTGGA | 220800 |
| GGAATGTCTT | TTTCTGTCT | GCTGCAGTCA | ACATGTTTGG | CCTGGTCTTT | TACCTCACGT | 220860 |
| TTGGACAAGC | AGAACTTCAA | GACTGGGCCA | AAGAGAGGAC | CCTTACCCGC | CTCTGAGGAC | 220920 |
| ATAAAGTTAC | AAACTTAAAT | GTGGTACTGA | GCATGAACTT | TTTAAACATT | TTTTACTTCT | 220980 |
| CTCCATATTC | CTGACCATAG | ACTCAGCAGT | TCTTAACTCT | GGCTGTGTGT | TAGTCTTCCC | 221040 |
| TGGGGAGCCT | TTATAAGACA | CTGATACTTG | GGACCCACTC | CAGAGATTCT | GAATGAATTG | 221100 |
| GTCTGGGGTG | GAACCCAGAT | ACTACTAATT | TTTAGATACT | CCTTAGAGGT | TTCTAGCATG | 221160 |
| CGCCCGGGGT | TGACAACAGC | TGGACAAACT | TGAAAAGTCA | ATTCATGTGG | CCTTTGAATT | 221220 |
| TTCTTCATTG | GAAAGTACTA | AATAAATAAA | AATTCATGTG | AAAATGATCA | CTGATAAATA | 221280 |
| TCTTCATGGT | GGGGCAGGTT | ATTGGATGCA | GAGAAGATCT | GCTCGGAATT | GTAGCCATAT | 221340 |
| GTTACAGATC | TCAGCACCGA | TCGGAAGTGT | AAAGCTATAA | TCCCCAGAAT | TAAAGTTTTT | 221400 |
| ATTATTTTTT | ATACATTGTA | AAACATAGAC | GTTTATTTAT | GTGATTAAAT | TCTATTAAAA | 221460 |
| TTTACATGCT | AAAATAAAAT | AGACCATTTT | CAAATTATTT | AGATCCAGAT | ATTTCCATCA | 221520 |
| GATTAAACAG | ATATTTATTT | ATCCTAGCCC | AATTGCAAGA | GATTAATGAT | GAGAAAATGA | 221580 |

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| CCAATACAAG | ATTAAATAAA | TGAGGTTAAC | TTAGAAATCA | AGGACAGAGA | AGATAGAACT | 221640 |
| GGAAGGCTTG | TATTGTGAGA | AGAATGAATG | TGAAGGAAGG | CAATGTAGAC | ACTTCCAGAA | 221700 |
| GGGATAGCAA | TATAGTTTAG | ACCATATAAT | GAAAATTGGA | GAGAGATGAC | AGAGACACTT | 221760 |
| TCAAGTGAAA | TGACAATTTA | TATGGGGGAG | AAAAATATTG | AAGACATAAC | AAGATGAGAA | 221820 |
| AAGGCATAGA | AATGTATCAC | ATACAAGGCA | TAGAAGTGTA | TCACATACAA | GAGAAGTTCC | 221880 |
| TTTTGAGCGT | AGAAAAAGAT | AATTTAACCT | TCTTCATATT | TTTCTTACTT | TCCCAAGATA | 221940 |
| CTCAGATAGG | CAGCGTCAAC | TCTAACAGGA | ATTAATTTGG | CTCCTAACAC | TTAAGACATA | 222000 |
| TCCTTTTAGTT | TGTCTCCTCA | CACAGAACTG | ATTCTGGTTT | TGCCACAACA | TGTCTAGAGA | 222060 |
| AGAAGTTCCC | ACCATATTTT | AAATCCTATT | AAAAAACTGC | TTGGACAAGA | ACCTTGGGTT | 222120 |
| AATTCAGCAG | ATGAAGAGAA | TCTCCTAATG | CAAATCAATG | GGTATTTTTG | AGCAAGTTTT | 222180 |
| TCAGAAAAAC | AGAGTGTCAG | GCCCTGAGGG | TGGTACTAAG | ATGAGAACAT | TGATTTTGCC | 222240 |
| TTCATGATAT | TGACAACACA | AAGAGGAAAG | GGGGTTTGCA | GAAAACTAAA | AGAAGAAGTA | 222300 |
| GAAGAAAAAA | GAAAGACATA | GTATAATAGG | TAGTCAAATT | ATGTACAGAA | AAAAGAGAAA | 222360 |
| AAAAAAACAA | AAAAGGGTGG | GGGACAGACA | ACCCAATAA | AAAATGGGCC | AATGACTTGA | 222420 |
| ACAGGGACTT | CATAAAAGAG | AAAATGTAAG | TGGCTCCTTA | ACATATAAAA | AGATGTTCAA | 222480 |
| CTTCATTAGT | CATTACAGAA | ATGAAAATCA | AAACTACAAT | GAAATACCAC | TATAAAATTA | 222540 |
| ACTAATGGAT | AAAATGAAAG | GAGATGGAAA | ACAAAATGTT | GCCAGACATG | TGGAGCAACT | 222600 |
| GGAACCTTCA | TACGTTACGA | ATGTGAACTT | TGGAAAGCTG | CTCGGCAATA | TCTCCTAAAG | 222660 |
| CTAAATGTAC | AATTCAGTG | ACTCAAACAT | TTTACTTAGA | AATGCACATA | TACATCCATA | 222720 |
| AAACATGTAC | AACAATGTTT | ATAGGAGCAC | TATCTGTAAT | AGCCTGAACA | GGAAGTTGTC | 222780 |
| TGTTAAAAAA | AGAATGAGTA | AATAAACCAC | GGTCTATTTG | TATAGCAATG | AGAATTAACA | 222840 |
| GACCCCAATA | TATAATAGAT | GAATGGGTCT | CATAAGCACA | ATATTGATTA | AAGGAAGACA | 222900 |
| AAACGCACAT | TCTTTTAAAG | GTTTATAAAA | TACTTTTAA | AAACAGCTAC | AACCAATCTG | 222960 |
| TCCTGTTAAA | AATCAGTGAG | CGATTTCCCT | TGTGCAGGGA | TGGGGGTTGT | GGCTGGATGG | 223020 |
| ATGGTACTTA | AGAAGTGCTC | CTGGGGTACT | AGAAATATTT | TATTTCTTGA | CTTGGATGTG | 223080 |
| TGTTTACTTT | GTGAATATTG | TACATTTATG | ATTTGTGCAC | GTTTATGAAT | GTAGAAAATA | 223140 |
| AAACAGAAAG | CAAATTCAAA | GATCATCCT | TTTGAGAGCT | TCTGCTCTGA | CTTCGTTTTG | 223200 |

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| ACCAATGGAG | CAGTTGGGAA | GGGGTCTTGG | TCCTTCGGTC | CTTTGCTTTT | TTTTTTTTTT | 223260 |
| TTTTTTTTTT | TAGACAGAGT | CTTACTCTGT | CGCCCGGGCT | GGAGTGCAGT | GGCTCGATCT | 223320 |
| TAGCTCACTG | AAAGCTTTGC | CTCCCGGGTT | CATGCCATTC | TCCTGCCTCA | GCCTCCCCAG | 223380 |
| TAGCTGGGAC | TACAGGCACC | TGCCACCATG | CCCGGCTAAT | TTTTTGTATT | TTTGTAGTAGA | 223440 |
| GACGGGGTTT | CACCATGTTA | GCCAGGATGG | TCTCGATCTC | CTGACCTCGT | GATCCGCCCA | 223500 |
| CCTGAGCCTC | CCAAAGTGCT | GGGATTACAG | GTGTGAGCCA | CCGCGCCCGG | CCCCTGGTCC | 223560 |
| TCTGCTTTCA | TGTTCTTCTT | GGTCCTGTTC | CTCCTCCTCT | TTTGTTGGAA | CTTCCAGTAT | 223620 |
| CAGAGCAGGA | AGGAAGGCAA | TGGGTCAATC | GATGCTGTCA | GCTTTTGGAT | CAAAGTGCAA | 223680 |
| GTTCTCAAAC | AGCAAAATTA | ATGAGCTCAG | GCTTTGAAGA | AACCATGACC | CTGAAAGCAT | 223740 |
| CAGTTGCTTC | CAATTGCATC | AGTTGCCACG | GGTGATAAGA | ACAATGATGA | CTCAGAATGC | 223800 |
| CTAGGTTTTC | CCAGCAGCTT | CTCTGAGGTT | TTCCCAGCAG | CTTCTCTGAT | TGATTCTCTGA | 223860 |
| CAGATGACTT | CGGTGTGTCA | GACTTTCAGG | GTATCTTTCC | TTATGTGATG | GTTTGAGGAA | 223920 |
| GAGTTACCAT | TCACATTCCT | AATGGCTTCA | GAATAGATGC | AATTGTGAAC | TGATAGGAAA | 223980 |
| CATTTCTAAT | TCATCTCCCC | TCCCCATCCC | TAAAGGATTG | TTTCTAACAA | TAGTCATGAA | 224040 |
| AATTAATTCA | CTTTTCTCAA | ATAGTTTATT | GTCATCTACC | TAATGATGAG | ATGACTTACT | 224100 |
| TTTTCTCCTT | GACTGTTAAA | TATTATGAAT | TATATTAATG | TATTTCTTAA | TGTTGAGCTT | 224160 |
| TCCCTTGAAT | ATTCTTTTGA | TGTACGACAG | AATTTGATTC | ACTAATAGTT | TATTTAGGAC | 224220 |
| TTTGGCTGAT | GTACTGATAT | ATGAGATTGG | CTCTGTATGC | ATACATGTGT | TTTGTGTATC | 224280 |
| TTTTTTGTGT | CTGGATATGG | AGCTTATGCT | GATTTCAAAA | ACAAGAAAGG | AGAACTTTCC | 224340 |
| TTTTTCCCCA | TACTCTGAA | AAAGATTGAC | TAGAATGGAA | TTTTTATAAT | TGCTGTTGTT | 224400 |
| ATTTGAAAGC | TTGAAAGCAT | TGGTTTGTAA | AAATCATGCA | GGCTGAAAGC | CATTTTGAGG | 224460 |
| AGACTTTGAT | AACTTTCTCA | ATTTCTTCA | GTTACTGGTC | TTTTAAGGGG | TTTTATATTT | 224520 |
| TTCTTTGATC | AATTTTGACC | ATTTATGTTA | TCTTGGAGGA | TCATCTATTT | TACACACTAT | 224580 |
| TTAAAGTATA | TTTGCAAAAA | TTCAACTGTT | TTATCAGGCT | ATCTTTTTTAA | TAATATATTC | 224640 |
| ATTTTATCTA | TATCTGAGGT | TTTAGCTTCT | TTGTACTTCT | GACCCAATTG | CATGTGTGCT | 224700 |
| TTCTTTCTCC | TTCATTAGAC | TACTTAGTCA | TTTACTAATT | TTAAGAATAG | CTTGTCTTTT | 224760 |
| ATTTATTTAC | TTATTTATTT | TTGAGACGGA | GTCTCACTCT | GTCACCCAGG | CTGGAGTGCA | 224820 |

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| GTGGCGCGAT | CTCGGCTCAC | TGCAACCTCC | GCCTCCCGGG | TTCAAGTGAT | TCTCCTGCCT | 224880 |
| CAGACTCCCG | AGTAGCTGGG | ATTACAGTCA | TGCACCACCA | TGTCTGGCTA | ATTTCTGTAT | 224940 |
| TTTTAATAGA | GATGGGGTTT | TGCTATGTTG | GCCAAGCTGG | TCTCAAATC | CTGACCTTAG | 225000 |
| ATGATCTACC | CACCTTGGCC | TCCCAAAGTG | CTGGGATTAC | AGGCATGAGC | CACTGCGCCC | 225060 |
| AGCCCTGCTT | GTCTTTTTAT | TTTATATTTG | ATTAGCTTTA | TCTTTTATCA | AGCTTATGTC | 225120 |
| CTATTTCCCT | TTGCTTTACT | TCATATAAAT | TTTGTTTTGG | ATAGTTTATT | TATTTTTCAT | 225180 |
| TTAATTATGA | AACAGGTTAA | AGCTTAGAGG | AAAATTGCTC | CTCTAAGTCC | AATTTTGTGG | 225240 |
| GCAGATTACA | TTTTGCTGTG | TTGTGCTCCC | AAATTCATTG | TTCTTTTAAT | GCTTTATTTT | 225300 |
| TCAAGTTAAT | AACCTATATA | GTAAAAAAGT | GGCTGTTGAC | TCTCAGCTTT | TTTTTTTTTT | 225360 |
| TTTTTTTTTT | GTAGATACAG | GGATCTTGCT | GTGTTGCTCA | GGCTGGTCTG | AAACTGCTGG | 225420 |
| CTTCAAGGGA | TCCTCCTGCC | TTGGTCTCAC | AAAATGCTGG | GATGACAGAC | ATGAGACACC | 225480 |
| ATGCCTAGCC | ATGTCTCTCT | CCTTATATAT | AATAAGAAAA | CAGACACACT | GAGGCATCCT | 225540 |
| ATCATCTCAC | TCTTGGTTTC | ACTACTGTTC | TCTGGAAGTT | TTGCTCTGAC | CTTTTGCAGT | 225600 |
| TAATGTATTA | ATTTTGCATT | GAGTAGTTTC | CATAGAAGAA | TTATAGCATT | TGCATTCTGT | 225660 |
| TGGGTATTAT | ACTTTTCACT | GTTATTTGAA | CATAATTTGA | GGGCTGAAAC | CAAGATGAGG | 225720 |
| CAAGTGAGGT | GCCCAGGAAG | CAATATTTAA | GGAGGCATCC | TTTCTTAGGC | TCATGCAAGA | 225780 |
| ACAGAAATTG | CACATGAGAG | TGAGTGCCCT | CTTAATTTTG | AGTGCTGGAC | ACTTCTTGCT | 225840 |
| CACTTAGCAT | ACCCCTGGAC | AATGAAGTGT | TTTTTGTTTT | GTTTTTTCAT | GTCCATCCTT | 225900 |
| TATCCTTCTT | CATCTCAAAA | CATTTCAATG | GAGTATTTTT | TTGGAGCAGT | ACTTGGATGA | 225960 |
| GCCTCTGAGT | CCCACAGTAG | CTGAGAATTT | ATTTCATAGT | ACTCTTTATG | ATCACTGTGG | 226020 |
| AGCCTTAAAA | CATTGTAATA | TTAACTTAGC | TGGGAACAGA | AATTTTGTTT | CACAATTTGT | 226080 |
| CTTATTCAGA | ACAGTATTGA | CTTCCTGCTA | GTCTCTTCTG | ATGTCCAATA | TGAGGAAGTC | 226140 |
| TAGTTAGCCA | GCTACTTTTT | GTAGGAGAGC | TATGTTTAGG | CTAGGTGCTA | TAGGATTCTC | 226200 |
| TTTATCCTGG | AATTCCTTCA | CCAAGATGTG | CCAAGGTGTT | AATCATTTTC | TCTTGCTTTT | 226260 |
| TGGCTGGTGG | TCTTAGAGTT | TCCTTCGATT | TTGTTTTATT | TAGTGATTGT | CCTCAATTTG | 226320 |
| TTTTCTTTAC | TAAGAATCTC | TCTTCTATTT | ATCTGTATGG | TAAAACCTTG | TTGCCCATCT | 226380 |
| TTCTGGTTTC | TGCTGACTTT | CATTTTTGGA | CCTTTTACTT | TGCTTTCTCC | ATGGACTTTT | 226440 |

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| TGGTAGTGGA | GGCAGGCAAA | CACTTTCCAA | AGTCTTTCTC | AATTTCCATC | AATTTCAACT | 226500 |
| TATTTCTCTAA | AATTGCCTCA | GAATGTGCCT | ATGTCCACAA | TATCCCTCCT | TCCACTTTAG | 226560 |
| AAAGGAAAGG | CATCCACACT | TTATTTAGGT | GCAATGCCTG | AAGTGTAAC | ACTTTCTGGT | 226620 |
| TGTCAACAAA | GGAGTACTTC | CAAATATTGG | TTTGGGGATA | ACCTGCTAAT | GATTAACACA | 226680 |
| TTCACCTTGG | CTCTTGTTTT | GCCTGCTCCC | TCTTCTTTTA | TCTGCTGTGT | GTATTTTTTT | 226740 |
| TAATCACTGA | GAATATGCAC | AGTATTGTAT | GTTTTATTAT | AAGAGAGGAC | TGGCCAGAGT | 226800 |
| GGGAATGTTT | TGAATTCAGA | ATAACTGAAG | CAGTACAGGA | TAGGAACTCA | TTCTTTCAAA | 226860 |
| TGAAGCTGGC | ATATTTTCCC | AGAGCACCAA | ATTTCAATAT | ATATTTAAAA | AACTTGATAT | 226920 |
| GAATGATACA | ATAAAGTGGT | TAGAACTTTT | ATTAAATAA | ACTTATGTCA | TGAAATACTT | 226980 |
| ATTCTAATTA | TAGTCACTCT | TCATCTTATT | TCATCTTATA | ACATGTTTAA | TGTTTTCTTT | 227040 |
| TATTTACAAA | ACAATTTATT | TTTTGATGAA | AAGTTTTAGA | AATCAAGTTA | AAAATATTCA | 227100 |
| AAGGAATGCC | TAAAGTTTTT | AAAATTCTTT | TACATGTTGT | ACAATCAAAA | GAGTCTGAAG | 227160 |
| ACCATTTAGC | TATCCAAATT | GTTTATTTTT | AAGCAGTATC | CCTTCTAATA | TTTACTATTT | 227220 |
| ATAATCCTTA | AAAATTTGCC | TTAGCACAGG | AGAATTGCTT | GAACCCAGGA | GACGGAGGTT | 227280 |
| GCAGTGAGCC | AACACAGTGC | CACTGCCCTC | CAGCCTCGGC | GACAGAGTGA | GACTCTGTCT | 227340 |
| CAAAAAAAAA | AAAAAAAAAA | AAAAAAAAAG | GCCAAAAACA | AATAAACAAA | CAAAAAAATC | 227400 |
| CGCCTTAACA | TTATTTGTTC | ATTAAAAACT | TTCTTTAATA | CTACTAGTTT | CCCTTTCCTC | 227460 |
| TCAGCCCATT | GTCATATTTT | GATTTTTATC | ACTTGCTTTG | TAGGACATAT | GAGGTTTTTG | 227520 |
| TTTTTTTTTT | TTTTTTGGGA | TGCAGTCTCC | CTCTGTTGCC | CGTGCTGGAG | TGCAATGGCG | 227580 |
| CAATCTTGGC | TCACTGCAAC | CTCTGCCTCC | TGGGTTCAAG | CAATTCTCCT | GCCTCAGCCT | 227640 |
| TCCAAGTAGC | TGGGATTACA | GGCACCCACT | ACCACGCCTG | GCTAATTTTT | GTATTTCTGG | 227700 |
| TAGAGACGGG | GTTTCACCAT | GTTGGCCAGG | CTGGTCTCGA | ACTCCTGACC | TCAAGTGATC | 227760 |
| CACAATCCTT | GGCCTCCCAA | AGTGCTATGA | TTACAAGCAT | GAGCCACCTG | CCCAGCCAGA | 227820 |
| ATATATGTTT | ATTTTGAGTC | CTTTAACAAA | GTCATAAGAA | TTTTAGGAAT | TCAGTTACTT | 227880 |
| TCTTGAGAAA | ATCTCTGAAA | AGATGCCAAT | AATTTGTAGC | CAATTATATT | GATTTCTCTT | 227940 |
| TTTCATATTG | AGAATTGTTT | TTTAAAAAGT | TTGTATGTGT | GAAGATTTTT | GCACTGTAGT | 228000 |
| TAAAGAAACC | ACCTGTGTGT | TGGTTAAGCC | ATAAGTACAT | GTATTCAAAT | AAATTGAGGT | 228060 |

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|------------|------------|------------|------------|-------------|------------|--------|
| GGGGTTACTC | TGAGAATCAA | AGGAAAACCT | GAAGAAACAG | GCAGCCTCAA | AAGGTCTTAG | 228120 |
| CTGTAGCAAC | TTGCTCCATT | GTTGAAATAA | ATAGGCTTGA | ACTTGTATTT | TCCCTCTACT | 228180 |
| CAACATTTAA | GGTCTCAGAA | GATAATATAA | TTGGTGAAAT | TTAAGTAAAG | TGCTCACTCT | 228240 |
| TTTGCTTTAA | CAAACCCTAG | AGAGCTGGTA | GGCAGAGCCT | CAACAGACCG | TTTTAGCTTC | 228300 |
| CAAAGGGAGT | TCAGGACACC | ATGATTCACG | ACCACAATAC | ATCACACATA | ATTGAGAAAA | 228360 |
| GATAGTTCCA | CCAAATAAAG | TTGAAATGCT | GACAAGAAGG | GGTAAGAAAT | CTTGGAATA | 228420 |
| AGTTTATATA | AAATTTATTT | TTTCCTTTTT | TATTGTTATG | GAATAGGACC | AGTTCTACTT | 228480 |
| AAGCCACCCA | TTTGCCAAAA | TAAAGTGAGA | ATCGTTTCTT | TTGGGGACTC | CTCTTTGTAG | 228540 |
| CTCCAAGTGC | CACTAACAAT | TCTTAGGACC | TGAGCTATAA | GCCAGGTGAT | TTCAGTTAAT | 228600 |
| ATGATCAATT | ATTTCAATTA | AATGGCTCTA | ATGTGCAGAG | GGAACGGAGC | CCATCAGCAT | 228660 |
| TCCCTGCAGG | GAAGTGCAGT | GGCTTTTATC | AACTTGAACA | GCTAGCTTTC | AACTGTTTTG | 228720 |
| AAATCACTTT | CAGGGTGGTC | ATGTAGTTGC | TTTTTTGAAA | TCAGAAGATG | ATTCTGCCTC | 228780 |
| TTTTAATATG | TGACTCCTCA | GATTCAGAAA | GTGCTCGCTA | GTCTTAAGAG | TGAATTACCC | 228840 |
| TCAGTGGTCC | AGCGCTTATG | AACCCACATC | TAACCCTATC | CCCTGGGGGA | ACTATCAGAG | 228900 |
| AAATTGGTGC | CATGGACATA | AGAGGAAGGC | ACAGTGAAGC | AGAGAGCCCC | GCATGATGAA | 228960 |
| AATCAGTGGA | CAGCATCATT | ATTTACAAC | TTGTAATCAC | CCAGGAGCAT | GAAAATCCAG | 229020 |
| GCCAATCTGG | CACCATGAGC | TCTAATTTTT | GTTGGAGTTC | TTGGAACCGA | TTCTGATGAA | 229080 |
| TGACTGTTTA | GCCATTTTAG | AGTGTGGCAT | ACGTGGCTGC | TGGCATAACAG | AGGTTGGATG | 229140 |
| TAAACGGGCC | TTTGCCCTCT | CTTATGAACA | TAGACAGGAA | CTAAACTGTG | TCACATAGGT | 229200 |
| TCCAAATGGT | GGCCTGAATA | CTATTTACAA | CTAAGGTACA | ATGAAATTGA | GTAAGTCTTT | 229260 |
| TCCTCTTTTG | CAGATACCAT | CATTATTCAT | ATATTTCTTC | AAAGTTAACT | ATTTGTATTT | 229320 |
| GGTAATTTTT | AATAGAAATG | TAATAATTGC | TTCTCAAGTT | TAGTCTTTAG | TCTTAAGGTT | 229380 |
| GATGCTCTCC | ATGTCCTTCC | AAAAAAAGGT | ATGTTGCTTT | TATTATATCC | TCGCCTTCAG | 229440 |
| ATGGGATTAT | TCCATTTTGT | TCTTTGTAA | TATATACTTT | GAGCCACTTT | TTTTGTGGCT | 229500 |
| CTGGGTGAGA | TGCTATAGGT | ACAATGACAA | GTGATACGTG | TGTTGTCCCT | GTCACAAAAG | 229560 |
| TGGATAGCCT | AAGTGGTGAC | TTTTACCTCC | ACTCCAAATA | TATGTATCAC | ACACCAGCCG | 229620 |
| TATGCCAGGC | ACCACTCTAG | GTGCTAGGGA | TACAGCAGTA | AACAGACAAA | TGCAACCCCT | 229680 |

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|------------|-------------|------------|------------|------------|------------|--------|
| GCCCATGTGA | AAGAGAATAA | GACAATAAAT | AAGTAAAGTG | CATGTTATAT | GGAGGTGGCA | 229740 |
| AATGCTAAAA | AGAAAAATTA | AGCAGGCAAG | AGGACTCATT | GAAAAGATGA | CATTTGGGTA | 229800 |
| AAAGCCCATG | TATATATGTT | CTATTGGTTT | TATTTCTCTG | GAGAGCCCTG | ACTAATACAC | 229860 |
| AATGACTTTG | AGAAGTTACT | GGCTTTTGAT | TTATCACACT | ATTCGGAGTG | CTGAGAGCCT | 229920 |
| TCTTAGTGTG | TATTCAGTGT | TTTAAGAGAG | CTTGTGGATG | AATAATAAAT | AGGACAAAAT | 229980 |
| TTATCCAAAC | TTAAGCCTTG | CTTTAGGTAA | AAGGGCTCCT | CTTACAAGGT | AGAAGGTTAT | 230040 |
| TATTTGGCAT | TTAAATCCAA | CTGAAGACTA | ATAAGACTAA | TTAATTAAAA | GTTTTTAAAT | 230100 |
| CACAACTGGG | TGCAAAATAA | ATGGAAGTGC | CATGCTCGCC | AAGTGTGCAT | GAGTGGTGTG | 230160 |
| CATGGGAGAC | AGCACGAAGC | TAATCCCACT | CATCTTGCAG | GTTGCTCCAT | TTTTCTCCTA | 230220 |
| AAATCAGTAA | GACAGAAGCT | GGTCAGATTA | TCAAGAGCCC | TAGTTAAACA | CAGCAGTAGC | 230280 |
| ATTTGGAAGG | GGTTGCTCTC | ATTAGGCAGT | GCCTGACCAC | AACAAGAGAT | GAACAAGCCC | 230340 |
| TGTATCTGAA | GCCATCATGC | CTAGTTATGG | TCCCCCACTG | TTCATGATGC | CTGAAAGGGA | 230400 |
| GGCCCCCTGC | ACCCTAGAAA | GCTGGGTGGG | TTCTACTGTC | TGCTTTACTG | CTAAAAACCC | 230460 |
| TCTTCTTTGG | ATCTGGACTT | TACCTCTATC | TGATTTTTTT | TTCTAATATA | TGATTTGGCA | 230520 |
| CTGAGTCTGT | CACTGCTGCT | AACTCAGCAG | TTCTAGGGTC | ATTGCCCCAT | TGCCTCACAG | 230580 |
| AAAGAATTTT | ATAGCTTCCA | GCATCCTCTC | TCCTTCATTA | TACTTTGATT | TCAGCATTGC | 230640 |
| TATTTTTTCT | CTTGGGTGTT | GCAGCTCTCT | CTCTCCTTCC | CATGTCTTGT | TGGTTTTCTG | 230700 |
| CTAACTCCTG | CTTTTTTTCT | TTTTTTTTTT | TTGAGACGGA | GTCTCGTTCT | GTCACCCAGG | 230760 |
| CTGGAGTGCA | GTGGCACAAAT | CTCGGCTCAC | TGCAACCTCC | GCCTCCCGGG | TTCAAGCTAT | 230820 |
| TCTCCTGCCT | CAGCCTCCCA | AGTAGCTGGG | ACTACAGGCG | CTCACCCTA | TGCCCCACTA | 230880 |
| ATTTTTGTAT | TTTTAGTATT | GCTGTCATCA | ATCCACATGT | CCAGAAGCAC | CTAGAAACTC | 230940 |
| TAATTCTTTG | TAGGTATCAA | ACCCTAGGAC | TCTTTCCTCT | AATCACAATA | TATAATCCCT | 231000 |
| GATTCCCAAA | CACGGTCTTT | TCATATACAT | TTTCCACTGT | ACATACTTTC | TGACCTGGAA | 231060 |
| AGCTCTTACA | CAAACACGCC | CTCCCTAGG | AAGCCTTTAT | AAATGTTCCC | AGGAAGAATC | 231120 |
| AGTCACCCAA | CAGTGCCTT | GTCACATCTT | AGGTTCTACA | CCTTTATTTG | TTCTATCTGA | 231180 |
| ATGTAATCTC | CCAGAGGGTG | TTATCATCTT | TTTTTTTGAG | ATGGAATCTT | GCTTTGCTGC | 231240 |
| CCAGGCTGGA | GTGCAGTGGC | ATGATCTCGG | CTCACAGCAA | CCTCCACCTC | CTGGGTTCAA | 231300 |

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|------------|------------|------------|------------|------------|------------|--------|
| GTGATTCTCC | TGCTCAGCC | TCCTGAGTAG | CTGGGATTAC | AGACGTGTGT | CACCACACCT | 231360 |
| GGCTAATTTT | TGTATTTTTA | GTAGAGACAG | GGTTTCACCG | TGTTGGCAAG | GCTTTCCTCG | 231420 |
| AACTCCCAAA | CTCAGGTGAT | CCACCCGCCT | CAGCCTCCCA | AAGTGCTGGG | ATTACAGGTG | 231480 |
| TGAGCCACCA | TGTCCAGCCC | CATCTTTTTC | TTTTAGTTTA | GTTCTTAACA | AATAGTCTGA | 231540 |
| CACAAAGTGG | ATATAACAAT | ATTTTGAATT | ATGAATAACT | AAATGAATAT | TTCCAGATTT | 231600 |
| CCTGGTGCTC | TCAAAGTTTT | ATGTTACAAA | AGAAAAACAA | GTCTAAAATA | CCTGCCTCAA | 231660 |
| GTTTTTATCT | GTACTATGAT | TTCAAACCAA | ATAAAAAACA | GGTGGGGTAA | AAACTGAAAC | 231720 |
| AGGAAATACA | TATAACTGAA | AAATTTTGGT | ATGTTAGTAT | GATAATACTA | GGTCATTTTT | 231780 |
| CCTGTTTCCC | CAACTTCATT | TTCTATAGCA | ATAAAAAGAA | ACAAGTAAAT | GTATATTAAT | 231840 |
| TTAATTTAAA | AGAAGTAGTC | TACCATCTCT | TCTGTTAAAA | AGAAAAAAGT | ATTTTAAAAA | 231900 |
| ATTATCTCTG | GAAGGATACA | CAGGGAACAT | TGCTCTGGTT | TCTTCCAAGA | GAGAAATGAG | 231960 |
| GAACTAGAGA | GCATGGCCAA | GTGGGGTTTT | GCTTTTGTTT | TTGTTTGTCT | ATCTGTTAGC | 232020 |
| TTTTTATTAT | TTTCTTTTGT | AGGTTTGAAT | TTCAAACCAC | ATAAATCTGT | TACATGCTCA | 232080 |
| TAATAATAAG | TTTAAAATAA | AACTTTTGGC | TGGGTGCAAT | GACTTACACC | TGTAATCCCA | 232140 |
| GCGCTTTGGG | AAGCAGAGGT | GGGAGGATAC | TTGAGGCCAG | GAATTTGAGA | TCAGCCTGGG | 232200 |
| CAACATAGTG | AGACCCTGCC | TCTGTAGAAA | TAAACAAAAA | TTAGCTGGAT | ATGGTGGTGC | 232260 |
| ATGCTTGATC | TCCTAGCTAC | TTGGGAGGTT | GAGGCAGGAG | GATCCTTTGA | GTCCAGGAGT | 232320 |
| TTGAGGCTGC | AGTGAGCTAT | AATCACCAC | TGCACTATAG | CATGGGCAAT | AAGGTGAGAA | 232380 |
| CTTGCTCTCA | AAAAAAAAAA | AGGGGGGGGG | AAACAAATAA | ATAAATATAA | ACAAAACTTT | 232440 |
| TGTTTCAAAA | TATGTAATAT | TTAGCACTAA | AGAATTCTGA | ATTGTAGAGC | TAAAAAGTAC | 232500 |
| TTAAAAGTTA | ATAATTATTG | TCTCCTTTAA | AAGAATTGTT | ATCAAAGTAT | AATTTTTATC | 232560 |
| CAGAAAATCA | TCCATATCAG | CAAGCTAAAC | TTTCTCAAAA | TGACATATCC | ATGTAATTAG | 232620 |
| CTCCAGGTA | ATTAGCAGGC | AGCCTCTACT | CAGGTTGAGT | ATTCCTAATC | TAAAAATTGG | 232680 |
| AAATTCAAAA | TGCTCCAAAA | TCGGCAACTT | TTTGAATGCT | AACATGATTC | TCAAAGGAGT | 232740 |
| GCTCATGGAA | TATTTAGAT | TTTGGATTTT | TGGATTTGAG | ATACTCAGTA | TAATGCAAAC | 232800 |
| ATTCCAAATC | TGAAAAAATC | TGAAATACTT | CTGGTTCTAA | GCATAAGGGA | TACTCAACGT | 232860 |
| GTGTTAGCTA | ATTAGACCCT | TCATGGTCTC | TTCTAGACCT | CAGCTTCTTC | AAGGTAACCT | 232920 |

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|------------|------------|------------|------------|------------|------------|--------|
| CTATCCTCAC | TTCTAATAGC | ATGAACTTTT | CTGTTTTAGA | ATAATTTGGA | TTTTCAGGAA | 232980 |
| AGTTGCAAAG | ATAGTACAAA | GACAGTACAG | GAGAGTTCCC | ATATATCTTT | CACCTAGCTT | 233040 |
| TCCCCATTG | TTAGGATTTT | ACATTATTAT | GATACATTTG | TCAAATATAA | GCAACTCACA | 233100 |
| TTGATACATG | AAACTCTATT | AACCAAACCC | TAGACTTTAT | GTGGATTTCA | CCACTGTTTC | 233160 |
| CACTAATGTT | TTCTTTCTGT | TCCAAGGTCC | AATCTGGAAT | ACCACACTGC | ATTTTCTTGT | 233220 |
| CATATCTCCC | TAGTCTTTTT | TTGTCTGTGA | CAATGTCTCA | GTCTTTTCTT | GCTTTTCATG | 233280 |
| ACCTTAACAG | TCCTGAAGAT | CATTTGCTTT | TTTTTCATAA | TTACACCGGA | GTTATAGATT | 233340 |
| TTTTGAAATA | ATACCACAAG | GGCAAAGGGC | CCTTCTTGTC | ACATCATTTT | AGGGAGAACA | 233400 |
| TGATATCCAC | ATGACATCAC | TGATATTAAC | CTTCATCATG | TGGTTTAGGT | AATGTTTCAG | 233460 |
| GTTTCTCTAC | TGCAAAGTGA | TTTTTTTCCC | TTAATTTAGC | CCACCTGAAC | TTATCAATTT | 233520 |
| TGTTTTCTTC | CATGACTAAT | ACTTTTGTTA | TTATAGCTAA | AACTTCATTG | GGGCCAAATC | 233580 |
| TTAGATCATG | TAAATTTTCT | TCTATATTTT | ATTCTAAAAG | CTTGTAATGT | TTGATACATT | 233640 |
| CTAAAAGATG | TAATGTTTGA | TACATTACAT | CTAGTCCTTT | GATTTATTTT | TAGTTACTTT | 233700 |
| TGTATAAGGT | GTGAGAGATG | TCTCCAGTTT | CACTTTATTA | ACACATTGTG | GTGTTCCAGT | 233760 |
| ACTATTTGTT | GCTAAGACTA | TCTTTTTTCC | ATTGATTACC | TTTGCCTTAG | TTGGCAATAT | 233820 |
| TTTTGTTGGT | TTATTTCTAG | ACTGTTTATC | TCATTCCACT | GATTTGTGTC | TATCTTTTTG | 233880 |
| ACAAAAGTGT | TGATTACAGT | AAGCTTTGAA | ATAGTTCATT | TTTTGTGTCA | ACTTGACTGA | 233940 |
| GTCAGGGGAT | AACCAGCTAT | CTGGTTAAAC | ATTATTTCTG | GCTGTGTTTG | TGAGCGTGTT | 234000 |
| TCTGGATGAG | ATTAGCCTTT | GAATAGGTGA | TCCTAGTAAA | GTAAACTGTC | TTTCCCAGTG | 234060 |
| TGGATGGCAT | TATGCCACCT | GATATTCAGG | GTCTGAATAG | AAGAAAAGGC | AGAGGAAGGG | 234120 |
| GGAATTTGGG | CCTTTTTTTC | TGCCTCACTG | CTTGAGCTGG | GACATCTCAT | CTGGTCTCCT | 234180 |
| GCTCTTGAAC | TGGGATTTAC | ATCATCAGTT | CCTCTGGTTC | TCAGGCCTTC | AGATTCAGAC | 234240 |
| TGAATCATAC | CACCAGCTTT | CCTGGGTCTC | CAGCTTGCAG | ATTACAGATC | ATGGGACTCC | 234300 |
| TCATCTTCCA | TAAATGCATG | AGCCAATTCA | GTCTATGTCC | TTGAAAAGTG | CCCCACTGCA | 234360 |
| GATTAAGGCT | TTTTTCCACT | AGGTGAAATA | AAGAAGCTTG | TTAGACAGAT | TTCCCTTCAT | 234420 |
| CCAGTGCCCT | CTCCTCTTTA | AGTTACAACA | CATTGGCTAC | ACCTAAGTGC | AGGGGTGGGG | 234480 |
| ATGAGGGTAT | AGTCCTCTTG | TTTGCTGAGA | AGAGAACTGT | ATTGGGAAAG | CTCTAGAAGT | 234540 |

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| GTTCGATACA TACATAAACA AGGCATGGTT TTTGCACTTA ATTTACATT ACATTTTCC | 234600 |
| CAGAAAAAAA GGAATGTATA GGCATCACGT AACTGTACTA GCTGGAGTCA TTCTTCCTGA | 234660 |
| TTATCAAAGG TAAACAGTTA TTAATCCTAT ACCAAGATGT CAAGGAGAAG TACTTTTGG | 234720 |
| ACACAAGGAA TTCTCTGGGA GTCCTTACTA CTCTCAAGCC CAGTGAAAAA GTTAATGAAA | 234780 |
| AACTATAGTA CCTTCCTATA AGCTGGATGA CTAATTACCA GGCTCATTTA GGAATTTGCC | 234840 |
| TTACCAAGTA AAACATAAGG GCAGCTGAGG TGCTGACTGA AGACAAATGG AGCATAGAAT | 234900 |
| AAGAGTAGTA AAGAATGCCA AAAATGCTGT CATGTATCCA TTGACAAAAG GAGCTATAAA | 234960 |
| GCCTTTAGGT ATTTTCACAC TTGCTCTGTT ACGTAAATGT ATGTGTGTGT GTGTGTGTGT | 235020 |
| GTGTGTGTGT GTG | 235033 |

(2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 237326 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

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| CACACACACA CACACACACA CACACACACA CACAAATGAG GTATATAAAG GGTCTCCTAA | 60 |
| AATGTCATCT GATATTTGTT ATTTTCATATT CTCAGATTTT TAATCCATTT AGGTAGGTCT | 120 |
| ATTTTAGATA GCCTTGCTCTG AAACAGAGCT GGGACCTGAT GAGTGAAAAT GAGCTCACCA | 180 |
| GAAGAAAAAT CAAACAGGCA TTTCAGAGAT TGAGGCCAAG AAGTTAAATG TCTTAAATGG | 240 |
| GCAGAGCTTA GCTGCTTGAT GTGAAAAGAG ACCAGCGTGG CTGGAACAGC AAAGGAGAAC | 300 |
| AGCAGAAGAG GTGAACAGAG GCCAGAGATG GTCAGTGTGG GGGCCCTTAA GTCATGGTAA | 360 |
| GGAGTATGGA GAATGAATTA TTGCATGTAT TGAATATGTA GGTGACGTGA CTCACAGATA | 420 |
| CTTTGGATTT GTAGAGATGA AGGAAATGTA GCAAGTGACA CTCTTAGAAT GTTGATTTGA | 480 |
| GTAAATGGTA GTGTCAGTTA TTGAACTGGG GAGAACTGGA AGGGATAACA GGCTTAAGGA | 540 |
| GCACGTTTAT TCCTGTGTCT TGGAAGTGTT TAGGGTGAAA GACCTATTAG AGTTCTAAAT | 600 |
| GGAGATGTCA AGTGAAAATG TGGCTACACA CATTTGCATT TCAGAAAAAA GGTCAGGCTG | 660 |

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|-------------|------------|-------------|------------|------------|-------------|------|
| GAGATGTAAA | ATTGGAAGTT | TACTGCATAT | AGATAGTCTT | TGGAACCGTA | GTATTGATGA | 720 |
| AGCCATTAAT | GAGACAGAAC | AAAGACTAGG | GACCAGAGCC | AAGCTCCAAG | TTTCTAAAAT | 780 |
| TTAGAGGATA | GTATAGTCTG | GTCATTTTGA | GGTGAATACT | TAATAACAGA | ACAATTTGCT | 840 |
| GAAGTGTAAG | TTTAGAGCCC | TACACTTTTA | GCTCTGACTA | TTAACGAATA | CAGGAAAGAA | 900 |
| TGGATATGGT | TATCTGCCTG | GTGTCTGTGA | AATAATTTAA | GCCAGGAAGA | GATCCTCACC | 960 |
| AGAAACTGAC | TATGCTGGCA | ACTTGGATCT | TAGATTTCCA | GCCTGCAGAA | TTGTTAGAAA | 1020 |
| ATAAATGTCT | ATCGTTTAA | CCACCAGTCT | GTAATTTTTT | GTTATGGCAG | TCCAAGCTGA | 1080 |
| CTAAGTTTTG | GTACCCAGGC | GTGGGATGCT | GCAACAACAA | ATACCTAAC | ATGGGGGAAGT | 1140 |
| GGCTTTGGAA | ATTGGTGATG | GGTAAAGGCT | GGAAGAGTTT | GAGGTTTATA | CTAGAAAAAG | 1200 |
| CCAATTGTGA | AGGGACTATT | GAAAGAAATA | TGGACATTAA | AGGCAATTCT | GGCAAAGGCT | 1260 |
| CAGAAAGGAA | GAGAGCTGGA | CAGAAAGCTT | CCATTTTCAT | AGAACTTAG | ATTTATAACG | 1320 |
| ATCATGGATA | GAATATTAAA | TATGCTGGTT | AAAATATGGA | CTTTAGGCCA | GGCGTGGTGG | 1380 |
| CTCACGCCTG | TAATCTCAGC | ACTTTGGGAG | GCTGAGGGCA | CAGATCACGA | GGTCGGGAGT | 1440 |
| TTGAGACCAG | CCTGGCCAAT | ATGGCGAAAC | CCTGTCTCTA | CTAAAAATAC | AAAAATTAGC | 1500 |
| TGGGCATGGT | GATGTGCTTC | TGTGGTCCCA | GCTACTCGGG | AGGCTGAGGC | TGAAGAATCG | 1560 |
| CTTAAACCCG | GGGGGTGGAG | GTTGCAGTGA | CCCAAGATCA | CACCACTGCA | CTCCAGCCTG | 1620 |
| GGATACAGAG | CAGGACTCCA | CTCCCCCGC | CACACACACA | CAAAAAATAT | ATATATATGG | 1680 |
| ACATTAAAGT | CAACTCTTGT | GAGGTCTCAG | ATGAAAATGA | GGGACAGGTT | ATTGGAAACT | 1740 |
| GTAAGAAATCA | CTGTTCTTGT | TACAATGTGT | CAAGAACTTG | GCTGAATTAC | GCTGTAGTGT | 1800 |
| TTACTGGAAA | GAACCTATAA | GCAGTAAAC | TGGATATTTA | CCAGAAGAGA | TGTCTAAGCA | 1860 |
| AAGTATTGAA | GGTGTGATTT | AGGTCCCTCCT | TACTGCTTAA | AGTGAAATGT | GAGAGGAAAG | 1920 |
| AGCCGAAATA | AAGAAGGAAT | TTTTAAGCAA | AACACAATCA | GAACCTGGAG | ATTTGGGATA | 1980 |
| GATTTCTCAA | TCTATATTGT | AAAAATTGAG | AAAGTTTTTC | TTGAAGAGGT | ATGGTTGAAC | 2040 |
| AATGTTTTCT | TTTTCTTTTT | TTTTCTTGGT | TTTATTTTTA | TTTTTATGTT | TTTTGAGACA | 2100 |
| GGGTCTGGCT | ATGTCATCCA | GGCTGGAGTG | CAGTGGCACA | ATCTCAGTTC | AGTGCAACCT | 2160 |
| TTGCCTTCAG | GCTCAAGCAA | TCCTCCCACC | TCAGCCTCCT | AAGTAGCTGG | GACTACATGT | 2220 |
| ATGCACCACC | ACACCCTGGC | TAATTTTTTG | TTGTTGTTTA | TAGAGATGGG | GTTTTGACAT | 2280 |

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|-------------|------------|------------|------------|------------|------------|------|
| GTTGCCTAGG | CTGGTCTCTA | ACTCCTGAGC | TCAAGTGATC | TGCCCTCCTC | AGTCTCCCAA | 2340 |
| AGTGTTGGGA | TTACAGGCGT | GAAACACTGA | GCCTAGCCTG | AACAACCATT | TGATAAAGAG | 2400 |
| ATAATGGGTG | TGACCCAAGG | ATTTAATCAG | CCATCTCAGC | AGAAGCCAGG | AAGAGAGATG | 2460 |
| GGATTATTCC | AGCAGAGACA | CTGCCAATTT | AAACTAACGT | AGGCAGAGAA | AACAGAAAGG | 2520 |
| AACAAAGGAA | GGTTGTCGAC | TTTTTGAATT | CTATAGAACA | GGATCATAGA | GCTACCTGGC | 2580 |
| TGTCAATGTG | TACTATTCTT | TAAGAAAAGG | AAAGACTGAC | CCACCAAAGG | CAACTTACAA | 2640 |
| GATCACTAGG | GCTGACTCTT | TTTTGTTTTT | TCTTGAGGCA | GTCTCACTGT | CACCCAGGCT | 2700 |
| GTAGGGCAAT | GGTGTGATCT | CAGCTCACTG | CAATCTCCAC | CTCCCAGGTT | CAAGGGATTC | 2760 |
| TCTTGCCTTA | GACTCCCAAG | TAGCTGGGAT | TACAGGCTCT | AAATCTGTAC | CCTCCCGAGT | 2820 |
| AGCGCTCCTG | CCACCACTTG | CCCAGCTAAT | TTTTGTATTT | TTAGTAGAGA | TGGGGTTTCA | 2880 |
| CTATGTTGGC | CAGGCTAGTT | TGGAACCTCT | GACCTCCAGT | GATCCATTCT | CATTGGCCTC | 2940 |
| CCAAAGTGCT | GGGATTACAG | GCAGGAGCCG | CCAGGGCTGC | CACTTTGATG | TCAGACTCAG | 3000 |
| AGAGTACAGA | TGGGATAGGG | TGGGGGTGGG | AACATGTAGT | CAAGGCTGAC | TCTACCTGTT | 3060 |
| TCAAAGATGC | CCTGCAGAAC | TGTGTGGGAG | TCTCTCACAG | ATGGCTGCCT | GGGTGGGACC | 3120 |
| CCACCAAAC | GAAAGACCGA | GACTTCAGGC | AGGGCAGATG | GAGTAGGCCA | ACTACAGAGC | 3180 |
| CAGAGGTGAC | ACTGAGACAC | CACTGGGCCT | GGAAATCAGG | GCATCAAGCC | AAAGAGGGTT | 3240 |
| TTTCTTAAGA | CCTAACAGAA | TTTGCCTTGC | CAGGTTTTTG | ACTTGATTAG | GACACATTAC | 3300 |
| ACCTTCCTTC | TTTCCTATTT | CTCCATTTTC | TAATGGGAAT | GTCTATTATG | CCTGTTTCAC | 3360 |
| CATTGTACCT | TAGAAGCATG | TAACATTTCT | GGTTTCACAC | GTTCAAAGCT | GGAAAGGAAT | 3420 |
| TTTGTCTCTG | GATGAATCAC | ACATTGAGCC | TCACCCGTAA | CCTGATTTAG | ATGATTTTTT | 3480 |
| AGATGACACT | TTGAACTTTA | GAATTGATGC | TAGAATGAGT | TAAGACTTTC | AGGGGGCTGT | 3540 |
| TGGGATGGAA | TAATTTTTTT | TTTTTTTTTG | AGACGGAGTC | TAGCTCTGTC | GCCCAGGCTG | 3600 |
| GAGTGCAGTG | GCACCATCTT | GGCTCACTGC | AAGCTCTGCC | TCCCGGGTTT | ATGCCATTCT | 3660 |
| CATGTCTCAG | CCTCCAGAGT | AGCTGGGACT | ACAGGCGCCC | GCCACCACGC | CTGGCTAATT | 3720 |
| TTTTTTTTTAT | TTTAGTAGAG | ATGGGGTTTC | ACCGTGTTAG | CCAGAACGGT | CTCGATCTCT | 3780 |
| TGACCTTCTG | ATCCGCCTGC | CTTGGCTTCC | CAAAGTGCTG | GGATTACAGG | TGTGAGCCAC | 3840 |
| CATGCCCCGC | TGGGATGGAA | TAAATTTATC | TTGTATGGGA | GAAGGACATA | CATTTTGGCA | 3900 |

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| GGTCAAGGAC | AGAATGTTAT | GGACTAAACT | GTGTCCCCCA | AAATTCATTT | ATTAAAACCC | 3960 |
| TAAACCCAG | TGTGACTGCA | TTTGGACATA | GAGCCTTTAG | GGGGTACATA | AAACTAAAGA | 4020 |
| TCACAGGATA | GGGCCCTAAT | CCCATTGGGG | CTGGTGTCTT | TACAGAAGAT | GAGACACTTA | 4080 |
| GAGCTCTCTC | TCCACGCAGG | CACCAAGGAA | ACACCATACA | AACACACAGT | GAGATGGCAG | 4140 |
| CCATCTGTTA | GCCAGGAACA | GATTCTCACC | ATAAACTATG | TTGGCACCTT | GATCTTAAAC | 4200 |
| TTCCAGGCTC | CAAAACTGTG | AGAAAATGAA | TTTCTGTTCC | AAGCCTCTTA | GATATGGAAA | 4260 |
| AAAAGATTCT | GTTGTTTAAG | CCATCCAGTC | TCTGGTATTT | TGTTATGGCA | GCCTGAGTAG | 4320 |
| GCTAAGACAA | TGAAGGATGT | GGTAAACTTT | TACGTCCCAA | CCACATACCA | AAGAGGCTGG | 4380 |
| AATTTAGCAT | GCTTTCTTCT | TTCAACTGTA | GGCAATGTGC | ACAAGTTCTA | AATCCTAAGA | 4440 |
| CATGTTGGCT | CCTTTACTCT | GCCCAAACCTA | CAACTCAAAC | AAACAACCTGT | AATATAATAA | 4500 |
| CATCCAATGA | AGTTCTGACA | TTTCTTCAAC | ATGAGTACAG | TAATTCAATG | CCAGAGAATT | 4560 |
| CATTTTATTT | TGAAATCTAC | ATGCCATATT | CCAATTTCTG | TTGAAGATGC | AATGGTTATA | 4620 |
| TTTATTCTTT | TTAATATAGA | TTTATCAGAC | TGGGCGCGGT | GGCTCATACC | TGTAATCCTA | 4680 |
| GCATTTGAGA | GGCTGAGGTG | GGCATATCAC | CTGAGGTCAG | GAGTTTGAGA | CCAGGCTGGC | 4740 |
| CAACATGGTG | AAACCCTGTC | TCTACTATAA | ATATAAAAAT | TAGCTGGGTG | TGGTGGTGCA | 4800 |
| TGCCTGTAGT | CCCAGTTACT | AGGGAGGCTG | AGGTAGAATT | GCTTGAACCT | GGGAGCAGGA | 4860 |
| GGTTGCAATG | AGTGGAAATC | GCACCAGTAC | ACTCCAGCCT | GGATGACAGA | GCAAAATAAT | 4920 |
| AAATACATAA | AATAGATTTA | TCAGTTTATC | AATAATATAG | TTTTCTTTTC | TAGGTGTAAA | 4980 |
| TATAGGTAAT | GACTGTCCTT | TAGTACATTT | TCTCATGATG | CTCCTCTTAC | TTGGTTTGGT | 5040 |
| ACAATATTAA | GTATTGAAAT | AAAATAGAGA | ATCCTGTCGC | TACACATGAG | CACTTATTCC | 5100 |
| ATTTGCTCAT | CTCCAATATG | CACGGGAAAT | TCTCAAATTG | CTAATAATCT | TGTAACACAC | 5160 |
| ATGCATTATA | TTCAACAGGA | ATATATAAAT | TTATAATTAT | AATTTAGGAT | CAACAGATGA | 5220 |
| CAAACCTTTA | GAAGGTTTGT | ATTTAACCTT | AAAATATAAT | TTTTTAAAAA | TTGGTTATAA | 5280 |
| AATTTCTAAT | ACTTTCTTTT | TTGTGACCTC | AAGGGGAAAA | TATAATTCTT | ATAAAAGTTC | 5340 |
| AAATGATTTA | CAGAATACAA | AAAGTGAATA | GAGATGATGA | ATGAATTAAA | GGAAAGGATA | 5400 |
| TTGCTACATA | GATTTGGAAA | TTTAAAAAGG | GAAATTACGA | TTGTTGATTT | TGTGTTAAAC | 5460 |
| TGATCTGCTT | TGTTCAAGAT | ACCTTATGTA | CCAAAAAATG | ATTTTATCTC | AGCCTCATAT | 5520 |

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| CTCAGTAAAT TCCTGAGACA AACTTTAGTC CCTGGTGCCC AGGTGCCTTT GGTAATTGGG | 5580 |
| AGACCTCTAG GTTTAGCATC CTCATCCACT CGCCCCAATT TAAATAGTCC TCCCCAGGGC | 5640 |
| CATTGAGGCA AGGGAGATGA AAACCTGCTC AAGAGTTGGA ATCCAATTGA AGCTACCGAA | 5700 |
| ATTCATTGCT CAATAGATAA TTTTCCCTGG AAGTAACTAG GGCTTTTGAA TATAATAGTG | 5760 |
| GGCATTTCOA AGTAGAAGGT AAAGTATTTT GGAGATGAGG AGACAGGACA GAGCTACGAG | 5820 |
| GAATGTCCTT TGCTCAGGGA CTAGGCTCTT AGCAGTACCT CTTAGGTAAG AACTGGTTAA | 5880 |
| CTGGCACCTT CTGTGTTTCT CTGAAGCTCC CTTTGCTTAG GGA CTAGGCT CTTAGCAGTA | 5940 |
| CCTCTTAGGT AAGAACTGGT TAACTGACAC CTTCTATGTG TCTGAAGCTC CCAGAACAAA | 6000 |
| CTGCCAATGA AATTTGGATT TTTGGAATAT AGTTTCTTTT TTGTTGTTAC TTTTGTGTTT | 6060 |
| GTTGTTTTTTT TTTGAGAGTC TCACTCTCAC TGCAACCTCC CCCTCCTATA TTCAAGTGAT | 6120 |
| TCTCTTGCTT CAGCCTCCCG AGTAGCTGGG ACTACAGGCG TGCACTAGCA TGCCCAGCTA | 6180 |
| ATTTTTGTAT TTTTGTAGTAG AGATGGGGTT GGTTTTTTTT TGAGACAGAG TTTCACTTTG | 6240 |
| TCGCCCAGGC TGGAGTGCAG TGGCACGATC TTGGCTCACT ACAACCTCCA CCTCCCGGGG | 6300 |
| TTCAAGTGAT TCTTCTGCCT CAGTCTCCTG AGTAGCTGGG ACTACAGGCG CCTACAGGTG | 6360 |
| AACACCGCCA CACCTGACTA ATTTGTGTAG TTTTATTAGA GATGGGGTTT CGCCATGTTG | 6420 |
| GCCAGGCTGG TCTCAAACCTC CTGACCTCAG GTGATCTACC CACCTCAGCC TCCCCAAGTG | 6480 |
| CTGGGATTAC AGATGTGAGA CACCAGATCA GCCTCAGAAG ACATTTTCTA TTGGAAAGAG | 6540 |
| AAAACACTAT TAGCAACCTA TTAGTCTAAT ATTTAATACT TAATGTCTTC CTTAGTAATA | 6600 |
| AACCAACTCT CTACAACAAA GTGCTTCCTG GCTGCCTAGT CATTGATTCA TTCAGTTCAA | 6660 |
| CATTTTCTCA ATGCCCAACA GCCAAGTGTC TCCTGTATGC CAAGTTCTAT GCTGATTATC | 6720 |
| AGTATTTGAA TAAGAGGGGG TCTACATCTT AAGTACTGCT TAAGATGAAA GCCTCTAGGT | 6780 |
| TAACAACTT AACACAATGT ATCATTCACT ACTAAATAGA CCGAATACAA AATCTTGTTA | 6840 |
| TTGGAGCCCA GAGAGAAGAA TTGAAATTCA AGTTTTCTCT CTCTCCTTTT CTCACTCACC | 6900 |
| ACAATAAGTC AGTTGCACCA AGTCTTG TAG CTCTTTACTG AGCCATGTTT TCACGTGTCC | 6960 |
| CTTTGTTTTA TTTGCCACAC CCTAAATAAA AATTGTACTG GCTTTTTTTC CCTGGGTTTA | 7020 |
| CAGTATTAAT ACATTGTCAA GATTACCTC TTCGTGTAGA TTCCCTGGGG AAAATTACCT | 7080 |
| TTCTCCTTC CCTTAAATTC TTCAGAGGTT AGAAAGCCAT TAGTAACATT CTGGTATGTG | 7140 |

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| GACAAAGTTT | ACCCATTATG | TATGGATGTT | TTACTCTTTC | CATTTTTCTG | ACAATAATCT | 7200 |
| CTTAAGGAGG | TGTGGTTATA | GAATAGTCAG | CTGTTATAAG | TACTGTTTTT | CTGGCCTTAC | 7260 |
| AACTTAAATT | CTTTAAGCTG | TTTCTTAGTT | TGCTCATCTC | AAAATTCGGA | ATAAGGATAA | 7320 |
| AACCTATCTC | TTAGATTGTT | GGATTAAATG | AATTAACATA | CTGGAAGCTC | ATGAAATGTG | 7380 |
| CCTGGCACAC | AGTAGTGCCT | AATAAACCAT | CTCTCTTATT | CAGCCTGTTT | TCTGATTTC | 7440 |
| GAATCTACAC | TTGCTGAGCC | AGGTTCTTTT | CATTTCAAGG | TGAGCAAAAG | CATACAAGGA | 7500 |
| AGAGATGGAG | GTAGGAAGAG | ATTAAGCCCT | AGGCCAAGGG | AGCTGGAATC | AAAGGCAATT | 7560 |
| TGGTCAGTGA | ATAAAAAGGA | TTCCAAGGCC | CATAAGGCAA | TTCTAACCTT | AGGATCGAAA | 7620 |
| TTCTCGGACA | TACAGGAAAT | GCTGGGGGGG | GGAAAATCCG | GTCTTCTCAG | CCCAAGAGCC | 7680 |
| ATGTGAAACC | AGACCTTCAA | ATCTGATGAT | TCTCAGCCCA | GCTGCCCATT | AGAATCGTTG | 7740 |
| TAATTTAAAA | ATACCCTCGG | AAAATTCTAA | TATGTGGCTA | TCAAAGGTGA | TCATTTGCTT | 7800 |
| TTATGCCACT | TTGTTTTTAC | CCAAATGGGA | CATCCAACCC | TTTTCTTTTG | AGAGTAGTTG | 7860 |
| TAGGGAAAGG | AGGGGGTGGA | GGGAGGGAAG | AGCGGAAAAG | GCTGGATCCG | CCCCGAGCCG | 7920 |
| GTGTCAGTAT | CTGGGAAGTG | GGAGGCGCGT | CAGCAGTAAA | CAGCTTCTGC | TAGGATTATT | 7980 |
| ATCTCCTGCC | ACACACTCGG | ATTTGAAGGC | TCCAAACGAA | ACAATGCAAA | ACGCTTCAGT | 8040 |
| GGAGTTCCAG | AAGCGTTAGA | CTAAACGACT | GGGTCTGTTT | GGCCAGTCTG | AGCAGCTGGG | 8100 |
| CGCAGATGCA | TAGGCAAGAC | TTAGCCCGCC | TAGACTTTTC | TGCCCCACTTA | ATTCCGATCA | 8160 |
| AAGCAGAAAC | CGGCCGGGCG | CGGTGGCTCA | CGCCTGTAAT | CCCAGCACTT | TGGTAGGCAG | 8220 |
| AGGCTGGCGG | ATCACCTGAG | GTCAGGAGTT | CGAGACCAGC | CCGGCTAACC | TGGTGAAACT | 8280 |
| CCGTTTCTAC | TGGTGGCGGG | CGCTTGTAAT | CCCATCTACT | AGGGAGGCTG | AGGCCGGAGA | 8340 |
| GTGCTCTGAA | CCCGGGAGGC | GGAGTTTGTA | TGCAGTGAGC | CGAGATCGCG | CCACTGCATT | 8400 |
| CCAGCTTGGG | CAACAGGAGC | AAAACCTCGT | TTCAAAAAAG | CAAGCAAACA | AACAAAAAAA | 8460 |
| TGCAGAAACC | GAGATCCGGA | AGAAAACCTC | GGCAGAGATC | ACAGAATCCA | GGAAAATAGG | 8520 |
| TCTCTAGAAA | TTTGTCCATG | GTCCCAGATC | TCCATTTCTT | GTGGGTGGGG | CAGCTGTTAC | 8580 |
| CAGATCCCTA | GAAGCAAAGG | TTTTTTTGGG | GGACCGTGTC | TCACTGTTGC | CCAGGCTGGA | 8640 |
| GGGCAGTGGC | ACGATCTCGG | CTTACTACAA | CCTCCGCCTC | CCAGGCTCAA | GCGACTCTCC | 8700 |
| TGCGTCAGCT | TCAAGAGTAG | CTGGGAGTAC | AAGGTATGTG | CCACCACGCC | CAACTTATTT | 8760 |

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| TTTTATTTAT | TATTTTTATT | TAGTAGAGAG | GTGTTTCACC | ATGTTGGCCA | GGTTAGTGTC | 8820 |
| GAAGTCGTGA | CCTCAGGTGA | TCAGCCCCCT | CGGCCTCCCA | AAGTGGTAGG | ATTAGAGGGG | 8880 |
| TGAGCAGAAA | GCAAAGGTTT | TTGAGTGGCC | ACAGGCCCCA | CTCTATTTCC | TTTTCTGCCT | 8940 |
| GTAATGGCAA | CCTAGACGCT | TGAGCTTCTT | AAAATACAAG | AGTAAGTTGC | ATGTCAGGCA | 9000 |
| CCGTTCTACA | TTAGGGACAT | TAGTCTGTTT | TACAGACACC | TTTCAACTCC | CTGGTTAACT | 9060 |
| TTTAGGTAAT | ATACTCTGCA | CTTTAGCAGG | AATGGAACCT | ATAACTCTCA | CAGAATTAGG | 9120 |
| AAAGTGAGGC | TGCCTACAGC | CTAAATTGAG | AAAAAATAG | ACGGGGGACT | AGTCGGAGGA | 9180 |
| CCAAACAAGG | TTACCAACAC | GTTAGAGTTT | TGCCTTCAAT | TTACATTTTT | AAAGTAATCA | 9240 |
| CAACGAAGTG | TTTAGATCAC | GAGGCATCCC | TGCATGTAAA | CTGTTAGGCA | CTAACTATGG | 9300 |
| TCGATCTTAC | AAAGCATTAA | CTAGAATATT | TCTTTAGAGT | ATGATAGTAC | GTAAGTGACC | 9360 |
| TACTATTACA | TACAAACAGA | CCAACCTTTA | GTAACAGCGC | TCCCCAAAAA | CCGAAAAGCA | 9420 |
| GTAATACGCT | TTGCTCAAGG | TTGGCATAAA | ATTAACCTTAC | CTTAGTGCCT | TTTTTCCTTC | 9480 |
| TACCTACAAG | CAGTGAGGTT | AGCTCTTCCT | TTGAAACGGT | AGGGGGGCTC | TGAAAAGAGC | 9540 |
| CTTTGGGTTT | GATAGCGTTT | CCGGGAGCTC | AGATACCTGT | CAAATCACTT | GCCCTTGGCC | 9600 |
| TTGTGGTGAC | TCTCGGTCTT | CTTAGGCAGA | AGCACGGCCT | GGATGTTAGG | AAGGACGCCG | 9660 |
| CCCTGAGCAA | TGGTCACCCG | GCCTAGCAGT | TTGTTGAGCT | CCTCGTCGTT | GCGGATGGCC | 9720 |
| AGCTGCAAGT | GGCGCGGGAT | GATGCGAGTC | TTCTTGTTGT | CGCGAGCCGC | GTTGCCGGCC | 9780 |
| AGCTCCAGGA | TCTCGGCGGT | CAGATACTCT | AACACCGCCG | CCAGGTACAC | CGGCGCGCCT | 9840 |
| GCCCCAACCC | GCTCTGCGTA | GTTGCCTTTA | CGGAGCAGGC | GGTGCACTCG | GCCCACCGGG | 9900 |
| AACTGGAGAC | CAGCGCGAGA | AGAGCGGGAT | TTCGCTTTGG | CGCGAGCTTT | GCCTCCTTGC | 9960 |
| TTACCACGTC | CAGACATTGC | AATCAGACAA | AAATCACCAA | AACCAGCAGC | CTAAGCTCAC | 10020 |
| GAGAAAACAA | ACAAAATCAA | GAAATATGTA | AAACATGGCC | GCTTTTATAG | GTAGTTCCTG | 10080 |
| GGGAGTAAAT | CCGACTTTTT | GATTGGTCGG | TAGCAAATGC | TAGTCAGATA | GCCAATAGAA | 10140 |
| AAGCTGTACT | TTCATACCTC | ATTTGCATAG | CTCTGCCCAC | GGATGACAAC | TGTGTAGTTT | 10200 |
| GTCTTCCAAT | TAATAAGAG | GTAATCTCCA | TCCCTCATTA | GCATAAAAGC | CCTATAAGTA | 10260 |
| GCAGAAATCC | GCTCTTTACT | TTCGACACAT | TTCTGGTGTT | TTAAGATGCC | TGAGCCAGCC | 10320 |
| AAGTCTGCTC | CCGCCCCGAA | GAAGGGCTCC | AAGAAGGCAG | TGACCAAAGC | GCAGAAGAAA | 10380 |

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| GATGGCAAGA | AGCGCAAGCG | CAGCCGCAAG | GAGAGTTACT | CTGTGTACGT | GTACAAGGTG | 10440 |
| CTGAAACAGG | TCCATCCCGA | CACTGGCATC | TCTTCCAAGG | CCATGGGCAT | CATGAATTCT | 10500 |
| TTCGTTAACG | ACATATTTGA | GCGCATCGCG | GGCGAGGCTT | CCCGCCTGGC | GCATTACAAC | 10560 |
| AAGCGCTCGA | CCATCACCTC | CAGGGAGATC | CAGACGGCCG | TGCGCCTGCT | GCTTCCCGGA | 10620 |
| GAGCTGGCCA | AGCACGCCGT | GTCGGAGGGC | ACCAAGGCCG | TCACCAAGTA | CACCAGCTCC | 10680 |
| AAGTAAACAT | TCCAAGTAAG | CGTCTTAACA | CCTAACCCCA | AAGGCTCTTT | TAAGAGCCAC | 10740 |
| CCAGATACCC | ACTAAAAGAG | CTGTGGCCAG | ACGCCAAATT | TTATTTGGCG | GCGGAGGGGT | 10800 |
| ATTAGAATGT | AGGAACTGGA | GAGGGGTGGG | GACAAGTGTT | GCAGCTTAGA | GAGGGACAAA | 10860 |
| GGGTCTTGAA | CCCGAAAGAA | GCCAGCCATT | AAAAATGGGT | TTGGGGTCAA | TTCGTTGTGC | 10920 |
| TTAAATTTAA | AATGGGGACA | AGCGGCCATT | TTGCTAACTC | GGCGTTCCCG | GAAGAAACCG | 10980 |
| CAGGCTCGCT | TAGGTTTCAG | ACCCAGCTGT | CTGTCCCTGT | CTACGTCGCC | AGGATCAACG | 11040 |
| GTTGCCGTAA | TGTCATAATT | TCGCCACCAG | CTTCTAGCCA | ATAGGCTGTC | CTGTCATTTT | 11100 |
| AAATATTAAC | CAATCGAGGG | AAAGCTGTTT | TGAGACTCTG | ATTTACATAG | CGGACCGGAG | 11160 |
| TGGGAACCTG | GGCAGTAACT | GCCTAAGGAA | GGACTCCCCC | TCTGTTTTCG | TGGCGCACAC | 11220 |
| CTTCGTAGTA | TACTGAAGGG | TGTGTCTCCT | GGGTTTCCAA | CTGCCCCGGT | AATAGTCTTT | 11280 |
| TAACCTAATA | TGCGTCAGTT | TTGATAACAA | CACTAAGGCA | GTACAGAACT | AAAGATGTAA | 11340 |
| GCACTGCGCC | AGATGTTGCT | TCATACATCT | TATTCTATTC | AACTGGTTTA | TTCAAGATTC | 11400 |
| AAATCAAATC | AAATTTTGCT | TGAATCCCAG | TGCTCAGTCA | GCCATAAATG | GTGTGTTGCC | 11460 |
| TGATTGAAAC | TTAAAATCTC | CGTAGGGGGC | TTGTAACATG | CAGAAAAGTT | TGAAAGTTGC | 11520 |
| TTTAGGAGAA | GCCAACTCTT | AACTGCTGGG | TAAATTGACA | AGCCTTCGAA | CACTGAACTG | 11580 |
| AAGGCCAGTA | AGGACTAGGC | GCTGGGTGGG | GGAGAATGAA | GAGGAGACGT | CATTAAACTT | 11640 |
| AGCACATACA | CTGTGTCTCC | TAGAGGACTC | TCCCTTCCTA | GACAACTGCA | GGCCGCTTTG | 11700 |
| TGGCCTGGGA | AATTCCACAT | TCCCTTAAGT | ATTTTACTCA | TGGTCTTTTC | CAGGTAAAGA | 11760 |
| TTTTAAGATG | AAGGGTTAGA | CGTAGTCTAC | CTATCTTTTT | ATTCAAGTCT | AGAACACGTT | 11820 |
| TTTAGCACCT | AGAAGTTTGC | TTTCTCCATT | AAAAACCGGG | AATATACAAT | AAATAAAATT | 11880 |
| AGTGTTAAAG | CAGATTTTTA | CAAACCTAAA | TACCATGTAA | TTTAGGTTAC | AGTTACTTAA | 11940 |
| CATAAGGACT | GTGTGATCTT | AAATCTGCAA | TTTCTTTCAC | ACCTGGGAAA | TAAACTAAGG | 12000 |

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| CCTGTCTTTG | GTGCCAGACA | AGGCCTTATA | CTTGAACACT | GCTGTGCAAT | CACAGGCTGC | 12060 |
| CTTGCTTAGA | TAACCTATCT | GAGAAATTCT | GATGAGAAAT | GAAATTTCCA | GAGTCCCTCA | 12120 |
| CAAGTAAATT | TTTTTTTCTT | TTTTTTTTTT | TTTGAGACGA | AGTTTCTCTC | TTGTTTCCCA | 12180 |
| GGCTGGAGTG | CAATGGCGCG | ATCTTGGCTC | ACAGCAACCT | CCGCCTCCCG | GGTTCAAGCC | 12240 |
| ATTCTCCTGC | CTCAGCCTCC | GGAGTAGCTG | GGATTACAGG | CATGCGCCAC | GACACCCTGG | 12300 |
| CTAATTTTGT | ATTTTITAGTA | GAGACGAGGT | TTCTCCATGT | CGGTCAGGCT | GGTCTCGAAC | 12360 |
| TCCGGACATC | AGGTGATCTG | CCCGCCTTGG | CCTCCCAAAG | TCCTGGATTA | CAGGCTTGAG | 12420 |
| CCACCGCGCC | GGGCCTAAAT | GGTTTTTTTT | TTTTCTATGC | CTCTAATGGA | CCTGGTCACT | 12480 |
| TATTCCCATT | CAGACTGACC | GCTCTCCTAC | CTGCCAACTA | ACTAATCAGT | GTAACCAAAA | 12540 |
| TCTGCAAACA | AAATTCAGTA | TTCTTTCCCC | GCCTTTTCCC | CTTTCTCTTA | CATAGATTAT | 12600 |
| GTTTTTGCCT | GTGTTAGATG | AAATAATTCT | ATTGCTTGTT | CTCTCTTCTG | TACAAGTACC | 12660 |
| CAGTAAGCAA | ATTATTAACT | TCTTGGTCAT | TTATTTCTGA | ATTTTCCACC | AAGACAGTGT | 12720 |
| TTATGTGAGT | CATACAATAA | GAACCAACAG | AAATGTGTGT | CTTGGAACA | GGTTGTCTAT | 12780 |
| CCCTGGACCC | TTTGAGTTTT | CTGTTCACTT | TCCTTTGGCT | TTTGCATGCT | AAAAGTTTAT | 12840 |
| CGTCCGCGTT | TGTTTGTTTT | GGTTATTCTA | ATTGGACTTG | GCTGATTGGT | TGCATATTGG | 12900 |
| TGGCAGTAGT | AGAATTTGAA | TTCTGGTTTT | CTGGTCACAT | CATTAAGTGA | TTAGTCAGTG | 12960 |
| GAGAGGACAG | GAAATCTGGT | TTATTTATTA | ACCTTTTTTT | GGGGTGTTTT | TGTTTGAAGA | 13020 |
| TGTTGATATT | CTCTGTGAGG | ACACAGGGTT | AGAGTTGGTG | TTTTTCTTTC | TGACTTTACA | 13080 |
| TGGGATTTGA | TGTTTTGTGC | TTGTATGCCT | CTTCCACCT | TCCAAAACCT | GTCTTTTTTG | 13140 |
| AGTCCAAATA | GTTGTCGATA | TCTGCAAAAC | CAGTATTCCT | GTGTTAAGAT | GATATGAATA | 13200 |
| TAAAATGGCT | GCCCTGTTAT | AACTTTTGAC | TTTAAGAAAG | TGTTAGGACT | AACAGGAGAC | 13260 |
| AAAAAGGAAA | TCAAGGAAAC | CAAATGTCTG | GTCTCAATAA | CTGCTATGGC | AGAGGCTCTA | 13320 |
| CAGCTTATTA | TTAATTTTAG | TAATTTTACA | TTATTGCCCC | TTCACGTTCT | TTAAGTAAGG | 13380 |
| TTAGAGGACA | GAAGAAACAT | AATGTTGTTA | CAAATTGGAC | TATTGAGTCA | GGAAAAAAAA | 13440 |
| AGAGTGCTTT | CAATATCTGA | ATAAAACAAA | GATTTAATAT | TTTCTAAACC | TTAACGAGTT | 13500 |
| TATTGTAAGG | GATGTGATGC | TGGAAACTAG | GAAACTAGAA | TTTTCTTCTA | AACTGAGAAT | 13560 |
| CAGAATTATT | CATATTCTCA | GCAGTGGTGC | CACCTGAGGG | ACTTCTGATC | TTAATTACAT | 13620 |

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| ACTTTTATTT | CTTTAACTGA | TCAACATGCT | AAATAGATAA | CCTATGGCTC | TGTTTTTACC | 13680 |
| CACTTTAAAT | TCTGTTCTAT | TAGCACGGTT | AGCTTTCCTA | ATTGGCAATA | AGATTGAGAC | 13740 |
| TATCTTTTTT | TTTTTTTTGA | GACAGAATTT | TGCTCTGTGG | CCCAGGCTGG | GGTGCAGTGG | 13800 |
| CACAATCTCG | GCTCACTGCA | ACCTCTGCCT | CCAGGGTTCT | AGCAATTTTC | CTGCCTCAGC | 13860 |
| CTCCCCAGTA | GCTGGGATTA | CAGGTGCACC | ACCACGCCTG | GCTAATTTGT | GCATTTTTAG | 13920 |
| TAGAGATGGG | GTTTCGCCAT | GTTGGCCAAA | CTGGTCTCGA | ACTCAGGTGA | TCCACCTCGG | 13980 |
| CCTCCCAAAG | TGATGAGATT | ACAGGCGTGA | GCCACCGTGC | CCAGAAAAGA | CTATCTTATT | 14040 |
| TTATGAATTT | AAATAATTGT | GAAATTATCC | ACTTAAGGGA | ATTAATAAAT | TATAATGTAA | 14100 |
| TCTTAAATTT | TAGTTGGCTT | ACATAAAGAC | TTAAAATACA | TCAATTTAAA | TAAAAACTCA | 14160 |
| TTTGTCTAAA | AAAAAATCAA | AAATTTTCCT | TGTGCTTTAA | ATGTGCTACC | TCTTTAAGTT | 14220 |
| CTAATTAAGA | GAAAAAAAGT | TTAACTGTGA | GTTTCATTAG | TGGTCTTAGT | TAACAGCTTA | 14280 |
| AAGTATTTTG | TAAAAAAAAT | ACTTCACAAT | TTTTAAATAA | CTTAAAAATA | TTAATACCTC | 14340 |
| TTTTATTAGG | TTTTTTTAAT | AAGGAAAATA | TATAATACAT | CTAATCAAGA | TTATTTTTTG | 14400 |
| GACAAATTGG | CTTAATAATT | TCATTTTAAA | AATGGCTTCT | TTATTCTTAT | ACTGTAAAAA | 14460 |
| TAATATTAGC | AGAATATTAT | AGTATACACA | AGTTTAGGGT | TCATATTCTA | AAAAACAAAA | 14520 |
| ACAAAAGCTA | ATTTAACTTG | CATTTACTAA | ATTTCTTCCA | CTAGTTGTAC | TGGTTACATG | 14580 |
| AGTTAACATC | ACTTTATTTA | TTATTCTAAA | ATTGTAAATT | ATTCATTGAA | CCAAATTAAA | 14640 |
| TGATAATAGA | TAATGTCATT | TTTAAAAATG | GAATTAAATT | TTATGTTACT | AATTATAAGG | 14700 |
| ATTCAATGTG | TGAGCTTAAG | TACTGAGTTC | ACAGTGTATG | ATAACTTTAA | GAATTTAGGT | 14760 |
| GAATATTATT | AAATTGAGTA | AATTAATTCT | CAATCTTTGG | ATACCTGGAC | AATTTCTAAA | 14820 |
| TTGGAGGGTA | CAAAATACAA | ATCACAAGAA | ACAGTGTAGT | TTTATGCAAA | TAACATTTTT | 14880 |
| ACACAGTTTA | GAATAACCAT | TGATAAACAG | ATAAGAGAAC | ATATGATTGC | CTTAGAATAG | 14940 |
| ATACTGTTGC | TTTCGCCACT | TTAGATTTGT | AAATCATGTA | CTGTATACGT | GTGGGCGTAG | 15000 |
| AGGACCATGC | AGGTTTTTGA | TGACTGCCTC | TGTTTTTCGT | ATGCCTATGC | GGGAACACAA | 15060 |
| TTGCCTGCTT | TGTTTAAGGG | CTATGGTTAA | TCCAAACAGC | TCTGACTCTA | TCAAGTACTA | 15120 |
| TAGCTACAGA | GAAACACAAG | TAAGCATTCG | AGATAATGAC | TACCTTGAGC | CTTTACTTAT | 15180 |
| TTAAAAAGTT | GTTACTGTTT | GTTAATGTGG | TACATTCAAT | TTACTATGGA | TTGTCACTCT | 15240 |

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| AAAATAAGAC | TTCAATCTTT | TTCTTATTTT | TATATAGCCA | TGATTTATAT | TCATATCTTA | 15300 |
| ATGTAATAAC | CAATCTTCTC | TGACAACATT | ATAACAATGC | TGGAACCTCC | ATTTTCAGTA | 15360 |
| CTTCAAACAA | CAAATACTGC | TTTTATACTT | CAGAGCAGAT | GGATATGTGC | TTCCCAGTGT | 15420 |
| AAACACATTT | GGAATCTCAC | TGAGAAATAC | ACTATCACTA | AAAATACAGT | TCTGAGATTC | 15480 |
| ATTAATAAGAC | CTCCAGAATT | CTGGAAGTAG | GAAGTTTCCT | CTTCAAAGTC | TACAGAGGAA | 15540 |
| GACGAGGTCT | GAAATAGACA | GCTTCTTCCT | TCTTTTACCT | GTGGTATTAT | TCTGTTTTGT | 15600 |
| CCTTTTCTCC | ATTATCTGTC | TTTCCAGTGA | TGAAATTTTG | ATCTGGCCCT | CCCAAGTATT | 15660 |
| AAAAACAAG | CAAATAAACA | AATCTCAGTT | ATATTTTACT | AAGATATTGG | CATGCTAACT | 15720 |
| TTTTGCAGGT | TTGTAACAAG | GACCTTTATA | ACTTGACTAA | AAGTTCCTAA | ATAAGAATAT | 15780 |
| TTACTAGAAA | ATTTATTTCT | GCCTGTGGCC | CACATTTGAG | TCAAATAAT | CAATTAGGAA | 15840 |
| AAATGAACTT | GTTTAACTAA | AGTTGGCCAA | ACTGATCTTT | GAGACCTATT | CATCTAAGAC | 15900 |
| AAGCCAATTA | AATTCTTGGA | GACAATTTGT | ACTTTAAGGA | ATTCTTATAA | TATTTGTAAT | 15960 |
| TACCCTCATA | ACTTTTTTTT | TGCCCTACTT | CTGTGCTTCT | CTAATATGCA | GATTATTAAA | 16020 |
| TGTTGTTACA | AAGCCATTGT | CAAAAAACA | AAAAACAAA | AACTAAACAA | ACTCACATGG | 16080 |
| TTAGACTTGC | TCCTTTATGA | GATATTTTTA | CCAAAAATGG | AGGAGTTGAA | AAACTCTGGT | 16140 |
| GCCAGAAATC | GTGAAGACAT | GGCCTACCTA | ACTTGGAAT | GTTGGTTGTC | AGTGGAAAAT | 16200 |
| ACTACACAGA | GATAGCCATA | GTGCTGCACA | GCCAATCTTA | AGTGTTTCTA | GAGAATCACT | 16260 |
| AATTGTTTCT | AGAGAATCAC | TAATTGTTTT | CTTTTAACAT | TCTTGTTTTA | TACAAGAAGA | 16320 |
| GAGTATCCAT | ACTAACTCT | TTTCTACTGA | AAATAATGTG | CAAACATAAC | ATCCTATTCC | 16380 |
| TAGACAGTTT | GTAGTTTTTT | TCTCCCATTT | CTATTTTATA | AATCATCTTT | TTAAAATACT | 16440 |
| TTGTTGAGTG | AAATCAGTCC | ATTGCTTGAT | ATACCTTGAG | CACAAGTAAA | TAGTATGCCA | 16500 |
| AAAATTAAAT | GTCTTTCAGT | CACAGTTTGA | CAAACCTAAC | TACCCTGAGC | CTATAGAGTG | 16560 |
| GTAATAATTG | CCCTACTCAT | AAAGATGGGG | TGAAGATTAA | ATGAAATAGC | ACCTATAGAA | 16620 |
| CACTAGTTCC | AGACGTGGTA | TCATGCTAGT | AAAATGGCTG | CACAGCACTG | CTCAATGATG | 16680 |
| ACAAAAAGTG | AAGCTTCTGG | AGACAGACTC | CAAGTTTGAC | TCCCAGATCA | CCACATATAA | 16740 |
| GATGTGGGAC | TCTGAGGCAG | GTCATTTAAT | CTCTCTGTGC | ATTAGTATCC | TTCTCTATAC | 16800 |
| CTTTACAGTG | ATGGTAATAG | CACCTACCTT | CTAGAAGTAT | GTGAAGATTA | AAGATCCTTA | 16860 |

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| ATGCATATAA | ACCACTGTGT | TTACTGCTGT | TTGACAAATT | TTATTTATAA | CCATCTTTAC | 16920 |
| GCTCCTAAAA | GGACTTGAAG | CAGCTTATGA | CTGAAGACTT | TGGTAGGAGT | TGGCCTTCTA | 16980 |
| TAAATTATAA | GAATTTTATA | AATTATTTGA | TATGAAAATG | CCAGTTGATC | ATAGTATGTT | 17040 |
| TACCGGGGTC | CAACAGGTTG | AGAAAAAATA | CACTTTTTTT | CCCTGAACAT | ATGAAATTAG | 17100 |
| CTCTCTAGGC | ATATTCCTAA | GGACTTAAAG | AATGATAACT | ATCATTCTCT | TTAAATCTTC | 17160 |
| CAGATTTGGA | AGGATATATA | TATTCAGCAC | ATTGACAGAC | AATCCCAGTA | GTCCTAAATT | 17220 |
| AAAAGACATT | AAAAATTAGT | GAAACTTTTC | CTACCTTTAG | CCTGTGTAAT | CCTGGATGAC | 17280 |
| CAAGCATAAA | ATTAAATTGA | GTAGAGTATA | CCACTGTAAC | ATTTCTGAA | AGGTATTCTA | 17340 |
| GGCTCTGAGT | AATTTCTTTG | GGGTCTGAAG | ATCAGTTTGA | CATATCCTCA | AGTATCATGA | 17400 |
| G TTCATTATA | ATTAAGAAAA | AGGGAGTAAA | TCTGGAGAAT | GAGCCACTTT | CTTACTACTC | 17460 |
| CTTGACCTCA | GTTCTTTTTT | TCAGAGACAG | GGTCTCACTT | TGTTGCCCAG | GCTGCCAGGC | 17520 |
| TGGAGTGTAG | TGGCGCAATC | GCATCTCATT | GTAACCTCCA | CCTTCTGGGC | TGAAGCCATC | 17580 |
| CTCCTGCCTC | AGCATCCTGA | GATCTGGAA | CCACAGCAGG | TGCACACCAC | CATGCCAAGC | 17640 |
| TAATTTTTTA | AAAAGTTTTT | TGTAGAGATG | GGGTCTTACT | ATGTTGCCCA | GGCTGGTCTC | 17700 |
| AAACTCCTGG | GCTTAAGTGA | TCCTCCTGCC | TCAGCCTCCC | AAATTGTTGG | GATTACTAGT | 17760 |
| GTGAGTCACT | GTACCCCGCC | CCACTTCAGT | TCTGAGGAGG | AAAAAATATG | TAATAATAAT | 17820 |
| GGGACTTTGG | TTTGCTGATT | TAAAGATTCA | TGTAACCTTA | TCATCCAATG | CGCAATTTGT | 17880 |
| AGAATAATTA | ATAGAGACAT | CTGGTCTCAT | GTTTCTACAG | TTGCTCATGC | CTTGATAGTA | 17940 |
| GATCTCCTTG | CTGCTGGCTC | AGAAGGGTAA | AAGAGCAGAA | ATGATGGGGC | TTCTCTCATT | 18000 |
| CTATGAGGAA | ATAGACCTAT | GTAGAGGAGG | CTACCTGTGG | TAAAACCTTA | TCCTCATCAC | 18060 |
| TTAAAATTCT | AGGCTTATTC | TCTGACCATA | TCAAGTTTTT | AAATGGTAAA | AGAATTGGAT | 18120 |
| TCAAGAGAAA | TATGAATAAA | CTTTTGTTTT | CACTTTTCTC | CCTCCTCTCC | CCCCATTCTC | 18180 |
| CCTTCCTTTA | TTTTCTTGTC | CTTAGTTTTT | TTTTCACTTT | TTTGTCTACT | ATTATTTGCC | 18240 |
| CAAACCTAAC | TGTAGGCTAG | AACAAAAAAA | AATTGAAAAT | TAAAATGTGC | CCCTTTTGTT | 18300 |
| GTTAGACTTG | CTTAAACAAT | TGGGGTAATG | AACCTTGGAC | ACTAGATTTT | AAAACACACA | 18360 |
| CATTTGAGCT | TCAGTGCAC | GAAATAAATA | TATTTTTAAC | AATTAAAAAA | TAAAATTGCA | 18420 |
| TGTTTAAAAA | ATCTGCAGAG | AACAATACAC | GTTGTGAGAT | CTTGAATGGA | AGGAAAACCTG | 18480 |

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| CTAGCCTCAA | GAGTGGATCA | AAGATGCTCA | GCAGGCAACA | GAGTAAGAGC | ATGTTGGAGG | 18540 |
| GTTTAGAGAG | TGTGCTCAGG | GTTCTAGGCT | CTAAAAATCA | GACAGTCCCC | ACGGCCTGGC | 18600 |
| CTTCGTCGCT | GSTATCTTCTT | TATGAAAAAC | ACTAAGTCTT | TTTCCTCACT | GGATAAATTT | 18660 |
| TTATCCTTCA | AGTTTAGATC | AAATGGAAC | TTAGGACACT | GACTAGGTTA | CATTCATCTT | 18720 |
| TTAAGAGCGT | ACAGACATTC | AAGGGCTAGA | GGATGTGGGT | TTACTGCACA | GGCTCATTAT | 18780 |
| CCAACAGCTG | TGCTACCTGG | GAAACTTAAC | CTCTCTGTGC | CTTAATTTCC | TCATCTATAA | 18840 |
| CGCAGGGAGA | ATGACAGTAG | GSTATCTCATA | AGGTTGTTGG | AACAACATAA | TGCATTGGTA | 18900 |
| TCTATTGTGT | AAAGTGCTTA | AAACACTGCC | TGGCACAGAG | CAAACATCCA | GTGAACTTTA | 18960 |
| GCCATCATCA | TTATCATTGT | TCTCAGAGTC | AAATACAATA | TCTCATATCT | GATAAATTAC | 19020 |
| AGAAGTGAAT | CAATCACTCT | CTCTCTTTTC | TCCAGGGGGA | GACAACAGCT | TTTAGACATA | 19080 |
| TCTTTTCCAA | CAGTCGTCAC | TGCTGGACAC | TGTTTCATCT | TGCAAATAAA | CCAATGAAAA | 19140 |
| TGAGTGATCC | TAGAAGAAGA | TAAATGGAGG | TATTTTGAAC | AATCAAAGAA | GGACAAATGA | 19200 |
| ACACCTGGCT | GAGAAAAATT | AGCTCTTTTT | TCTATGCATA | AACTATTAA | AATATTCTTC | 19260 |
| ATAGAAATTT | ATGACACAGG | AAACATAAAG | ACAAAATTAA | AATAACTCCT | AGTATCTCCT | 19320 |
| ATTCTTTTTTA | TATGTATATT | ATATATACTC | ATATTCATAT | ATACATATAT | CTCACATCAT | 19380 |
| GATCATATA | TAAATAAAT | TTAGGTGTCA | TGATATATAT | TTAGATAAAT | ATACTTAGAA | 19440 |
| ACTTTTTTTAT | GGATGTATAA | TTTATGGATA | TATTGATAAT | TATGTATTTG | TTATTGACTA | 19500 |
| CTTCAATTGA | TTCCCATTTT | TATGCATTAT | ATTATAGATT | ATATAGCTCA | CACATCTTTG | 19560 |
| TACATAAATC | TTTGTTCAAA | TATTATTTCC | TAAGGATAGA | CTTCATGAAG | TGGAAATACT | 19620 |
| AAATCAAAAG | TGAAAAACAT | TTTCTAAGGT | TCTTAACATA | TACATTGCCA | AATTGCTATT | 19680 |
| CAGGATCATA | CCAATTTATA | ATCCCAAAAT | AATATGAAAA | TTCCTGTTTT | ATAGCACTCA | 19740 |
| TATTTACAAT | AAATTTTAAA | AATCACTGTT | AACCTAATAG | TCCTTCAAAA | GAAAAAATAA | 19800 |
| TTGAAATTAC | ATTATTTTAA | TGACTCTATT | AGTGAGGGTC | ATTCTTCCCA | TGTTTCTTGT | 19860 |
| TAGCCATGAC | CCTATAAGAA | ATAAACTGCA | CTGCAAAATG | ATAAACATGA | TATCAATCAT | 19920 |
| TACATGGGAA | GGCACTATAT | AAAGAATAAT | ACCTTAGGTT | AAGGCCACAT | AAATATTTAT | 19980 |
| CAGGTGCCTT | TTCTGCGGAG | GACTCTGAAG | GGATACTAAA | CTGCATTTAG | CTGCATGCAA | 20040 |
| CTGAAATTAC | TTTTACCTAC | ATTGTCTCTT | ATAAACATTA | TAACACTCT | TTGAGAAAGT | 20100 |

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| GTTTACTATG GACTGAATTG TCTCCCCATC CCCCCAAATT CATATATTGA AGCCATAAAC | 20160 |
| CCCAATATGA CTCTATTCTT AGACAGGACT TATAAGAGGT AATTAAGGTT AAATGAGGTC | 20220 |
| ATTAGGATGG GTTCCTAACT GGATAGGATT GGTGGCCTTA TAAGAAGAGG AAGATTCTGC | 20280 |
| ACTTGGTCTT CCAAATTAAA TAATTTATTT AAAAGAAAAA AAAAAAAGA GGAAGAGAGG | 20340 |
| GAGCTCTGCA CATATACTGA GGAAAGGCTA TGTGAGCTCT CACAGTGAGA AGGTAGCACT | 20400 |
| CTACAAGCCA GCAAGAGAGC CCTCACCAGA ATCCAGCCAT GCTATACCCT GCTCTGAGAC | 20460 |
| TTCCAGCCTC CAGAACTGTG ATAAAATTTT GTTGTTTAAA CCACACAATC TATGGTATTT | 20520 |
| TTTTATGGCA GCCCAAGCCA ACAAAGACAG CATCATTGCT GTCACCTACA GACAAGAAAA | 20580 |
| CTAAGACTAG GAGAGAGAAA AGTTAAACTT GTCCAAGGTC ACAAAGCCA GAAACAAGTG | 20640 |
| AGGTGAGAAG TTGACCTTGT TCTCCTCAAT CCAAGGCCAG GACTCCTCCA CTCCACATGT | 20700 |
| AGATAGCCAC CTCACAGTCA ACAGCCAAAT GTCCACACCC CAGAGTCAGC ATTAGACCAA | 20760 |
| GATGTCTTAC CAGGAGACAA ATGCCTCATC TTGAATAAAT ATGTTCTAAC AACTTACCCA | 20820 |
| TGTAAACAT TGAATCTCAT GAGAAACAAA AATGCAAAGT ATGTAGAAAA CTATGTTTAC | 20880 |
| CACTTAACTG ACAGTGATAA AAAGCTTAAT GATATCCTTA TAGTCTTGGA GGGGTTTGTA | 20940 |
| TATGTGGTGA AACAGGTGCT CACGCACTGC TGATAGACTG TAAATTGGTC CTAGAGAGAA | 21000 |
| AAATAAATAA ACTGGAAGGA GTTATGCTGT ATGTTTACTT TTTTATGGA AACATATGAT | 21060 |
| ATACCTGGAA ATTCGATTGG CCATGCATCT ATTTCTTCAA TGGGTATGCA CAGTTGAGCT | 21120 |
| GTTCCCATGC ACCAGGCACT GTAATGGGAC AACTGCACAT GACAGTCAAA AATCTCAGTC | 21180 |
| TCATGAAGTC GACATGCTCA TGGAGAGGTG CTACCCACTA AACTAATATT TGTATATCAA | 21240 |
| TTATGGATAC ATTGGGCCAC ATTTACAGAA ATTCACCTAC AGTGGGTTAC CAGAAGGGAT | 21300 |
| TTTTTTTCTT GATTGGCAAG AAGGCTAGGC TGTTTTGTTG GGGGCTGGCA GGAGCTGTCT | 21360 |
| AGGCTGCCCCA AGTATGCAGG TCTCTTCTAT CATCCTGTGT TAACCATCTT CCATGTATCT | 21420 |
| TTCAACCTCA TGGTCATCTG CAGCATGTCT AGGGGTCATA TCTATGTTCC ATGCAGGAAA | 21480 |
| AAAGGGTAAA GGGAAAGGGA AGTAGGCATG TACCATTTTA ATGCACACCT TGGTTTTCAG | 21540 |
| AAAATTTAAG AAGAAAGACT TTCTGCTTTT CTCTGACTAT TCTGTATTCT GGATTACAAC | 21600 |
| GCAACAGAAA CGTCACCTTA AATTCTAATG TTTTCTCTC CTTGCTTTCA AAAACTGACT | 21660 |
| CATTAACCTC CACGTGGCTT GGAAAAATTA TTTCAGTCAT CCAGTAATGA GCTGTTTATA | 21720 |

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| GAAATGTTTT | GGACATCAAG | TCTGTGTTGT | TAGCATTATA | CATGTTAAGC | ATTGAATAAA | 21780 |
| AAACAACATG | ATGTGGGTAC | ATTTCTTTAC | TTACATATAA | GTACTTATAT | ACTTATAGCT | 21840 |
| GAAAAGAGAG | GTTGAAATGT | CAGGTGGAAC | AGAAATAAGA | TTACCTAGAT | GTTTCTCCTA | 21900 |
| TGGGTGATTT | TCAGCTATGC | TGATCTTTCT | TCTGGGTCAG | GTACTCCCAG | AACTTCCTAA | 21960 |
| TTAAATGGTG | GCCCTGATCT | TAGTTCCTCT | CTCCTCTTAG | ACATTTTCCA | GGACTACAGA | 22020 |
| AGATGTGCAG | TTTATAAATG | AGTAGCAGAA | ACCTACTGAA | CAAATTATTC | AGGCTCATCT | 22080 |
| GAACAGAGAG | GACACCTTCT | CTGCTATACT | CTCTCAGTGA | TTCCCTGCC | TTGGGGTCAA | 22140 |
| TTATTGTCTT | GGACATTGAT | TTAAGCACAT | AATAATTGTT | GTCATTGCTT | ATGTTTGGAT | 22200 |
| TTCATCTCCC | AAAATAGATG | GTAAATTCTT | TAGTTTAGAG | ACCAAGTAAT | ACTTACAAAA | 22260 |
| AAATTTTGTG | TGTGTGTGTG | TGTTTTTTCT | GTGTCTCTCA | GCCCTGTAAT | AGCATCGTAC | 22320 |
| TTACACTTGT | TAGATTTTTA | GAGACAACTT | TTACAAAACA | TGGAATTATC | TACATACCCT | 22380 |
| TTCTACAAAA | CAGACAAATT | AAATACTCAG | TAGTTGAACC | AAAAAAGCA | GTTCAAATAA | 22440 |
| AATACTTGAA | AATGAAGAAA | TCATTTGAAC | AGAGTTAAAG | TTAATCGTAA | AATAATGTCT | 22500 |
| GTAAAAATTA | TTGCCAATCA | AATATAAAGT | TCAAAAATAG | TGCTTGAAAA | AGGAAGAATC | 22560 |
| ATATGAAAAG | GGACTACTCA | TTTTAAAAAT | GTTAGATATC | AGGAAAAGCC | AAGAAGTGAG | 22620 |
| TATGGTAAGA | GTGCTGTCAA | GTGAAACCCT | GCTAATCTCA | CTGAACATGT | AAAAATCTGT | 22680 |
| AGATGCCTTT | ATTTTATTCA | CTCACACACA | TATGTAGAAA | GAGAAATATA | TGGTAAACAT | 22740 |
| TAAAAAAAAC | AAATTAGAAT | GTAAAATTAA | TACTTTAAAA | AATGGGCTGT | ATACTTTTCT | 22800 |
| TATCACCGGA | GATAAGAATT | TATTATTTTT | AAAATAAAGT | TATTTTCTCT | GTGACTGTTT | 22860 |
| CCATGACTTT | GCTACTTAGA | AGTTAGAGAT | GCCAAAGTTT | ATCTAAGAAA | ATGTTTATGG | 22920 |
| AAATATTATT | TCAATAATGA | ATGTTTAGAA | GACTGAATTT | CCTGACTGGG | CACAGTGGCT | 22980 |
| CATGCCTGTA | ATCCCAGCAC | TTTGAGAGGC | TGAAGAAGGA | GGATCGCTTG | AGTCCGGGAG | 23040 |
| TTCAAGAGCA | TCCTGGGCAA | CACAGCGAGA | CCCTGCAGCA | AAGTAAAAAG | AAAAAAGAAT | 23100 |
| TGAAAAAGGA | AGACTGAATT | TCCTTTGGGC | AAGTCATGTG | ACATTCCTGT | GCCTCAGTTT | 23160 |
| CTTCATCTAT | AAAGTTAATT | CCTACATTTT | TGGGGAAGGG | AGAGAAAAAC | TTAGGATAGT | 23220 |
| GACTGGCACA | GAAGAAGCAC | TATATACTAT | ATATATGTGG | ATATCATTTG | TTTTTATGGT | 23280 |
| ACCATTTTAG | CTATCTAATG | CAAAATATGA | ATCTTTTTTT | TCTGGGTCTT | AAATTATGGA | 23340 |

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| ATGTAAGAAT | TTTCTAAATT | CTCTAATTCT | GTGTTAGTTT | TAAAGCAATG | GAGTAACGTA | 23400 |
| TCTGTCAACT | TGTAAATATA | AGGATCAACC | TGATCCACAA | TTTGACCCCT | AGCCACTAAT | 23460 |
| ATTTAATAGT | ACAACACTCA | GAAATTATCA | AAGGTCAGAG | AAGCCAAACA | AATGTAAAAA | 23520 |
| CATACAGGTG | CTCAGAAAGA | TGCACCTGTA | ATCTCTCTAA | GGAGAAATAT | TTTCCAAACT | 23580 |
| GAGTGACACG | GTGCTTTAGT | GAGTTGTGGA | ATCAATCTCA | TGATTTCCAA | CCTAGTGTTT | 23640 |
| TTTTTAAAAAT | GAAGTAGTCC | ACAGTAGAAT | ATACTAAAGT | GCTGGTGCTT | AAGATAGTAT | 23700 |
| TGTTTTCTGG | AAAAAAAAAA | AAAATTTTTT | TTTTTTGAGA | CAGGGTCTCG | CTCTTGCCCA | 23760 |
| GGCTGAAGTG | CAGTGGCACA | ATCATGCTCA | CTGCAGCCTT | GACCTCCTGG | GCCCAAGTGA | 23820 |
| TTCTCCCACC | TCAGCCTTTT | GAGTAACTGG | GACCACAGGT | ACGTGCCACC | ACACCCGGGT | 23880 |
| AATTTTTTAA | TTGTAGAGAC | AGGGTCTTGC | TATGTGCTTA | GGCTGGCCTT | GTGAACTCCT | 23940 |
| GGGCTCTAGT | GATCCACTAG | CCTCAGCCTC | CCAAATTTAT | GGGATTATAG | GCATGAGCCA | 24000 |
| CCCTACCTGG | CCTGTTCCCT | GAATTTTTTT | TTCTTTCAGG | TGTTTGTGCA | TATGTGTGTG | 24060 |
| TGTATGGGTA | TAACAGAGAG | ACAGAGAGAA | AGAACTTTT | CTATCACACT | TTGCAATCAG | 24120 |
| AAGTTTGAAG | TCTTATCTTT | TGGCTTTTGT | TTCAGAAATA | TTTCAAATGT | AGACTCTCTC | 24180 |
| CTTTACCACA | CTGTCCCCTT | AGGCAAGGTC | TTTGCCATTC | TTCTGAGACT | ATTGCAACAG | 24240 |
| ACTCCCAACT | TCTGACTGTG | GGCCCTTCTC | AAAAATGATT | GTTTATGCAA | TAAATCTAAA | 24300 |
| CCCAAGACAA | CTACAACAAT | ACAACAAATT | CTCTGCTTAA | AAACTTCCAA | TGTCTGCCGG | 24360 |
| GCGCGGCGGC | TCACGCATGT | ATTCCCAGCA | CTTTGGAGGC | AGAGGCGGGC | AGATCACTTG | 24420 |
| AGGTGGGGAG | TTCGAGACTA | GCCTGGCCAA | CATGATGAAA | CCCCATCTCT | ACTAAAAATA | 24480 |
| CAAAAAATTA | GCCAGGCATG | GTGGTGGGCG | CCTATAATCC | CAGCTAATTG | GGAGGCTGAG | 24540 |
| GCAGGAGAAT | TGCCTGAACC | TGGGAGGTGG | AGGTTGCACT | GAGCCAAGAT | CACACCATTG | 24600 |
| CACTCCAGCC | TGGGCAACAA | GAGCAAAACT | CTGTCTCAAA | CCAAACCAA | ACAAAACCTC | 24660 |
| TAATATCTAC | CAAATGTTTC | ACACAAGTAT | TTGGGGATCT | TCACAAATGG | CCCTTATGGA | 24720 |
| GTTTTCCCTT | GCTGAGACCC | TATGCTCTGG | CCACACTAAA | CTCATTGAGC | ATCCCAGAAA | 24780 |
| GGCTCAGCC | TTTGTGAGCA | AGCTCTTATC | TCCAGGCCTC | TCACAAAGAC | CTGTTCCAGT | 24840 |
| AGAAGCTCAG | GGGAGCACAC | TGGACATTAT | TCCAACAACC | CTTTCCCCAC | AGCTATGCAG | 24900 |
| CCAAATCTGC | CAGCTCAGTT | AATTAATTAA | GCAATTCAGA | GATGAGGGTC | TGCCCAGGCT | 24960 |

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| GGAGTGCAGT | AGCTGCGACC | TCAAGCTCCT | GGGCTCTAAG | TGATCCTCTT | CAGTCTACCC | 25020 |
| AGAAGCTGGG | ACTGCAGGCA | TGTGCCACCA | CACCCAGCTA | ATTTTTTTTT | TTTTCAGTAG | 25080 |
| GGACCAGGCC | AACCTAGTCT | TGAACTCCTG | GCCTCCAGCC | TTCCGAAGTG | CTGTAATTAC | 25140 |
| AGGCATGAAT | CACTGCGCCC | AGCCAACCCG | CCCAGTCTTG | TTAGACATGG | GGTCTGTAGT | 25200 |
| TTCTAGTAGG | TTCTTGAGTC | TAGGGTTCCT | ACCTCATGTT | TTATAGTTAA | TTTAGGGGAG | 25260 |
| GGACTGTGTC | TGTTTATCTG | GGGATGTAGG | GGTGGGCAGG | GGGATAGAGG | GGACTTCAAT | 25320 |
| TAATGAAACC | AGAAGCAAAA | CTCAGTTGAG | GACACCGGTC | ATGAGAGTGG | CCTGATTATG | 25380 |
| GCCAATCTTA | CATAATGTGT | GAGATCTTGA | TATTACCCCA | TCCTTGAGAG | TCCTCTATAA | 25440 |
| AGCTACAGGG | ACTTGGGAGC | ACCTTTAATT | ACAGACAACC | CATGTTCTCTG | TGGATTATGA | 25500 |
| TTTATTAGAT | TGCACATGCC | TAAATAAAGA | CATCCTCTGC | AGTCTTTTGA | CAATTCTATA | 25560 |
| AGCATCTTCT | GACTCCGCAA | TTAGACAGCT | AAGAGATCTG | TGTTACTTCC | CTCACATATA | 25620 |
| TAAATAATTT | TAAATAAAAA | TCATGGCGTG | AATAATTTCT | TTCTCTTACC | GATTTGAAGC | 25680 |
| TATCCATTTG | GAAGACCACT | CTGAAGAGAT | GAAATAAGTC | TTCTGCCAAA | GATTACTTAT | 25740 |
| TAATTTACAA | GGAAAAGGGG | AAGTTTTGTT | CCTCTCCGTG | AATTTGATTG | AAAATCGAGG | 25800 |
| GCTTTCTCGA | ATAGTTTTTG | CATCCAGGGT | CATTTTTTCAT | TAAAAAGAGA | AAAGTCATGT | 25860 |
| CAAATATGAA | TTTCCGCAGA | TTATTGAGCA | CTAGACCCTG | GGAGATTCTG | TAAAGAGGGG | 25920 |
| TTTTGTTATA | CTCAACTTTT | CCGGGTAAAA | CAAACACAAA | TACTCCTCCT | CCAAGGGGCG | 25980 |
| GGGGCGGTGC | CTAGGTGATG | CACCAATCAC | AGCGCGCCCT | ACCCTATATA | AGGCCCCGAG | 26040 |
| GCCGCCCCGG | TGTTTCATGC | TTTTCGCTGG | TTATTACATC | TTGCGTTTCT | CTGTTGTTAT | 26100 |
| GTCTGAAACC | GTGCCTGCAG | CTTCTGCCAG | TGCTGGTCTA | GCCGCTATGG | AGAAACTTCC | 26160 |
| AACCAAGAAG | CGAGGGAGGA | AGCCGGCTGG | CTTGATAAGT | GCAAGTCGCA | AAGTGCCGAA | 26220 |
| CCTCTCTGTG | TCCAAGTTGA | TCACCGAGGC | CCTTTCAGTG | TCACAGGAAC | GAGTAGGTAT | 26280 |
| GTCTTTGGTT | GCGCTCAAGA | AGGCATTGGC | CGCTGCTGGC | TACGACGTAG | AGAAGAATAA | 26340 |
| CAGCCGCATC | AAACTGTCCC | TCAAGAGCTT | AGTGAACAAG | GGAATCCTGG | TGCAAACCAG | 26400 |
| GGGTACTGGT | GCTTCCGGTT | CCTTTAAGCT | TAGTAAGAAG | GTGATTCTTA | AATCTACCAG | 26460 |
| AAGCAAGGCT | AAAAAGTCAG | TTTCTGCCAA | GACCAAGAAG | CTGGTTTTAT | CCAGGGACTC | 26520 |
| CAAGTCACCA | AAGACTGCTA | AAACCAATAA | GAGAGCCAAG | AAGCCGAGAG | CGACAACTCC | 26580 |

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|------------|-------------|-------------|-------------|-------------|------------|-------|
| TAAAACTGTT | AGGAGCGGGA | GAAAGGCTAA | AGGAGCCAAG | GGTAAGCAAA | AGCAGAAGAG | 26640 |
| CCCAGTGAAG | GCAAGGGCTT | CGAAGTCAAA | ATTGACCCAA | CATCATGAAG | TTAATGTTAG | 26700 |
| AAAGGCCACA | TCTAAGAAGT | AAAGAGCTTT | CCGGGAGGCC | AATTTGGAAA | GAACCCAAAG | 26760 |
| GCTCTTTTAA | GAGCCACCCA | CATTATTTTA | AGATGGCGTA | ACACTGGAAA | CAAGTTTCTG | 26820 |
| TGACAGTTAT | CTATAGGTTT | AAGTTGTGAT | GCAGCTGAGT | TGAAAAGGCT | TGAGATTGGA | 26880 |
| GAATTAATTC | AGGCCAGGCT | TCAAGACCAT | CCTGGGCAAC | ATAGCCAGAC | TACCATCTAT | 26940 |
| ACCAGGGGTC | CTCATTCCCC | CGGCCACCGA | CCGGTAACCG | GTCCCTGTCC | ATGGCACGTT | 27000 |
| ATGAATTGAG | CCGCACAGCT | GAGGGGTGAG | CGAACATTAA | CCAACTGAGC | TCCACCGCCT | 27060 |
| GTCAGGTTAG | CTGCAGCATT | AGATAGATTC | TCATAAGCTC | AAACTGTATT | GTGAATGGCA | 27120 |
| CATGCAAGGG | ATCTAGGTTT | CAGGCTCCTT | GTGACAATCT | AATGCCTGAT | GATCTGAGGT | 27180 |
| TGGAGCAGTT | TTAGTCCGGA | AATCATTGCT | CCCAGCCCCCT | GCACCCCTG | GTCCGTGGTA | 27240 |
| TAATTGTCTT | ACACAAAACG | GTCTCTTG TG | TCAAAAAGGT | TGGAGACTAC | TGGTTTTACA | 27300 |
| AAAAAGTAAA | TTAGTCAAGC | ATGGTTGGCA | CGCTCCCTTA | GTCCCTGCAC | CCAGGCGTTT | 27360 |
| AAGGATACAG | TGAGCTATGA | TGGTGCTACC | TCACTCCAGC | CTGGGTGACA | GCGAGTCAGA | 27420 |
| CGTTGTCTCA | AAACTTAAAA | AAAAAAAAAAG | TTAAAACAGA | AAAAGGGCTT | CTTGTCAGAG | 27480 |
| ACTGCCGTAT | ATCTAGAGGT | CCAGGAACTA | AAAAGTCTGA | TGTCCAATCC | TGAAAAGCTC | 27540 |
| GATGGTGCAC | TAGAGGAGGC | TTTTACATGT | AAGAGCATCT | AAGTTCTGGA | AATGCCAGTG | 27600 |
| TCAGGGAAGG | GAAGTGGAGA | GCAATTTGGC | ATCCAAACAT | AACTTGCTGA | TACTTTTTTT | 27660 |
| TTTTTTAACA | CAAGTACTAC | ATTCTAGTCT | TTCTGTGGTG | TCATTGTAAAC | TATTGTTTCT | 27720 |
| TAATATGCTA | TCCACTGACT | TCAAGGGATC | AATAAATAGG | AATCAAGGTG | TCCCAGAATA | 27780 |
| TGGATTAGGG | GAGTTTTTTTT | TTTGTTGTTG | TTGTTGTTGT | TTTCATCTAT | TCATTATCCT | 27840 |
| GTAGCTGAAA | TTTAGAATTT | TCTTCCATTG | TGTGTGACTG | ATAGAAATAA | CAAATTTGTA | 27900 |
| GGTTATAGTT | GTTGCAAGAA | TCTGGAAATC | GTGCTTGCTT | ATTTCCGAAG | TACTATTAGG | 27960 |
| TATATCAACA | AAAACACACA | TATTACGGTC | AAGTGGTTTG | ATAATTATTT | TAATATTATT | 28020 |
| GGTCTAATAC | AATTGTAACC | CTATGAATTA | CTTTAAGTAT | CTTATTTATG | AAAAGAATCT | 28080 |
| GTAAGTTTCA | TCAAAC TACC | AGAGCATACC | GAAGACTGAA | AAATTTTAAG | AATCCAAACC | 28140 |
| TTAATGGAAA | TGTTGGAGGC | TGCCCAATTA | GGTTCTGAAT | TCCACCTTCC | TGAATCACAA | 28200 |

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|-------------|------------|-------------|-------------|------------|------------|-------|
| ACTTGTTTTA | ACTCTCAGTC | TGAGGTAAAC | TACGTTTCTC | TTTAAACAGA | CATAGTTTAA | 28260 |
| TTTTCTTTTG | ATTTTGTATT | TAGTATTCTT | ACTGATCATC | ATAAATAACC | AATGCTAATG | 28320 |
| TTAGTCTACT | TTGGACCATG | GTATTTTCGAG | AAACTTTGAA | CAAAGTCCCC | TGCAAAACTA | 28380 |
| TGCATTGCAT | TATTTACAT | ACATTTATGT | TTTCCAGACG | GTTCAATAGT | ACCTCACTTT | 28440 |
| TCTGAACTTA | TTTGTATAGT | TTGGCATCTT | TTTAAAAATT | GTGTCCTATA | ATGAAAGGTT | 28500 |
| GTAAACATTA | TGTTTTAAAT | TTGTATAGAT | AAAATCAACC | ACAGACCTTT | CCTTGCTTGG | 28560 |
| ATGTAATTGC | CATTGTTTCC | CAATGAGTTC | GGAATTACTA | GGATTGTGCA | AAAATATGCC | 28620 |
| TCACCTGCCT | GACATAGCAG | AGAGCCATTT | TGCCTAAATG | CTGTGCCCAG | CAATGGACTG | 28680 |
| TCACCAGATT | CTCATCACAT | ACAGTGAGGA | TGAACAACCTA | GCCTCTCCCA | GCAGCTGGCC | 28740 |
| GGTCTCTCAA | TAATATGGGA | CTCCCTCAAG | ATGGCTTCCT | GCACCTTTGC | TCCTCTAGCC | 28800 |
| TTGTATGTAT | ACAAGGCTAG | CATGCCTGGC | ATACATAAGG | TTAAAAACAA | AATCAATAAG | 28860 |
| TTATGGTTCT | TCCTCCAGTT | CTGGGGATTA | TTAGACCACT | TTTTTGTTTT | GTTTTGTTTT | 28920 |
| GGATGGAGCC | TCGCTCTGTC | ACCCAGGCTA | GAGTGCAGTG | GCACAATCTC | GGTTCACTGC | 28980 |
| AACCTCTGCC | TCCTGGGTTC | AAGCAGTTCT | CTGGCTCAGC | CTCCCACGTA | GCTGGGATTA | 29040 |
| CAGGTGCCCCG | CCACCACGCC | CAGCTAATTT | TTGTATTTTT | AGTAGACGGG | GTTTCACCAT | 29100 |
| CTTGCCAGG | CTGGTCTTGA | ACGCCAGACC | TCGTGATCCA | CCCACCTTGG | CCTACCAAAC | 29160 |
| TGCTGGGAAT | ACAGGCGTGA | GCCACCGCGC | CCGGACTTAG | ACCACTTTGT | TTTGGCCAAT | 29220 |
| AGGACAACAG | CCATAGAACC | CTCCGCAAAT | GAGAGCTTGT | CCCTAAAGAT | GCTTTATTTA | 29280 |
| CATAGCTGTG | TGCCGCATGA | GCCAAAAGGT | GATAACCTTT | GTTCAACACG | CGCCTCCAGC | 29340 |
| CCTTCGGTTA | AGTCCAAAGT | ACCATTCTTA | GAATGCTCTA | AAATACATAA | TTTTTTTTTT | 29400 |
| TTTTTTTTTTT | TTTTTGAGGA | GTCTCTCTCT | GTCTCCCAGG | CTGGAGGGGA | GTGGCGCGAT | 29460 |
| CTCGGCTCAC | TGCAATCTCT | GCTTCCGGGC | TAGCTGGGCC | TACAGGTGCA | GACCACCACG | 29520 |
| CCCGGCTAAG | TTTTGTATTT | TTTTTGGTAG | AGGGGGTTTC | ACCATTTTGG | CCAGGCTGGT | 29580 |
| CTCGGATTCT | TGATCTCAAG | TGATACACTA | GCTTTGGCCT | CCCAAAGTGC | TGGGATTACA | 29640 |
| GTCGTGAGCC | ACTGCGCCCA | GCAAAATGCT | TTTTGTGGAG | CCAATCACTT | TATTAGCGCT | 29700 |
| TACCTCTCTA | TGCCTACTTT | ATGCTTTGAA | ATTTTGTAC | AGTGGGGCCG | GTCATGGCAA | 29760 |
| ACACAATTCA | TTCTTATGCA | GGCTGTCACG | GTTATTTCTG | TCATCCAAAC | TCATTCTCGC | 29820 |

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|------------|------------|-------------|-------------|------------|------------|-------|
| AACGCATTTC | AGCTCTTTAA | ACGACTTTGT | GAGCGGCCCT | GAAAAGGGCC | TTTGGGTTTT | 29880 |
| TTTGTTTTTG | TTTTTTGAAG | TTCTCAGGAG | ACCGCGTATT | CTTAGATTCA | GCCGCCGAAG | 29940 |
| CCATACAGAG | TGCGCCCCTG | ACGTTTTCAGG | GCAATATACTA | CATCCATGGC | TGTGACAGTT | 30000 |
| TTGCGCTTGG | CGTGCTCCGT | ATAGGTGACG | GCGTCTCGAA | TAACGTTCTC | TAAGAAAACC | 30060 |
| TTAAGCACAC | CTCGAGTCTC | CTCATAGATA | AGACCGGAAA | TGCGCTTGAC | GCCACCGCGC | 30120 |
| CGAGCCAAAC | GGCGGATAGC | CGGTTTTGTA | ATGCCCTGGA | TGTTATCCCG | GAGCACCTTA | 30180 |
| CGATGGCGCT | TAGCACCACC | CTTCCCCAAG | CCTTTTCCGC | CTTTGCCGCG | ACCAGACATG | 30240 |
| ATTCTTATCG | CAGTGGAAGG | TATGAACTGA | AACAGTTCCT | TAAATACAAA | CTTGGCGGAC | 30300 |
| CTGATTGAAA | ACAACATGAG | TTGGCGCGGT | TTTTTTTTTT | TTTCAAATTT | GGTCACCGAG | 30360 |
| TGGGTGGAGC | AAGAAAAACT | GTTTCATTAT | GGTTCATTGT | TTTGATTGGC | CAGTGACAGC | 30420 |
| TTGCTCTTTG | TGGGAGTGGA | AGGGTGTTTG | CAAGTTGAAT | GCGCTGTATT | CCTGTCAGCT | 30480 |
| TAATGACGCT | AAGCATAGCC | CCATTCCACA | TTTCTTTTTTA | TTTCCACTTG | CTAACTAATA | 30540 |
| AATTACGGAA | TAGTTTATTG | GGGAACATAC | AAATAATGTT | TAAAGGAGGT | CAGATTTATA | 30600 |
| GGTCAAGGGA | TTTACCCTCC | CAATCATTTT | AATATTTTTTA | TTTAAACCAG | GCATTTTGAT | 30660 |
| GGCCTTCTCT | GTGCTGGACA | AGGTATAAGT | TTGGCTATGA | AGTTTCACTC | CTAAAGACCC | 30720 |
| TATGTTTTTG | GAAGGCAAAA | AGGTAGCCAA | ATAATTGCAA | ATTAAACCT | CATAAGTGCA | 30780 |
| AACTTCTTCC | TCGTCACTTT | CCCTATCTCG | ATTCAAATAT | TTGTTGAATG | ACTCATTTTT | 30840 |
| CTGCAAAAGT | CTGAGAGAGA | CAGGGAATAT | AAACTTAAGT | CTGGATAATA | TGTTTTCCCG | 30900 |
| GGACGCTCTT | CCTGGTCTGC | TGTGCCTGTT | TGCTGTGCCT | GAAATTCCAA | ACACTCTTCC | 30960 |
| CTTCCCTCCG | TTTTTAATCC | CCTTTCAACT | TGCTACAGCT | TTAGAGAAAA | GAACATACGT | 31020 |
| TTTGTACAGT | TGGGGATTAA | TTGAAGTGTA | GGGCTAATAC | TTGATTAAGG | TCATTACAAA | 31080 |
| ATCTACAGGG | TCTTCCTCTG | GGAGGTTTTT | GTGATAAGAT | TATTGGTGTT | AAAATAAGGC | 31140 |
| TAATCCCCCT | GAAAAATAAA | TAGAATAGCA | GAATTGGGTC | TGAATGTGGT | TTGAAGAAAG | 31200 |
| GGACTTCTCA | ATTCAAAATT | TTATTCTTAG | CTTCCTGTGG | GAGCTTTCCA | GAATGCCCAT | 31260 |
| AAGATCCACT | TTTGTTTAAA | AAACAAAAAC | AACCCACCC | ACCACTCTCT | GGTTAATAAA | 31320 |
| TGAATTTCTA | TTGGGAATAT | TTAGAATGGG | GCTGTGGCCT | GTGAGAGACA | TTATATAGTA | 31380 |
| ACCTCAGACT | TGCTCACATG | AAGAGAAGAA | ATCCAGGAAT | GGAGAAAAAA | GACCCAGGAA | 31440 |

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| AGGCCAGAAT | GCTCTACATG | TCATATTGTT | TGTATCACTT | CTGAAATAAT | TGATTACATT | 31500 |
| CTTCTGCCCC | AAATTGAGTT | CTTAGGTTCT | TCCACTCACT | GTCCACATGC | CACAACACAG | 31560 |
| ACCTTATAAC | TAGAGACTTA | GCTAGGAAGA | AATGTCAAAC | ATTACAGAGA | AAAAATGCAG | 31620 |
| AGTCTGAGAT | CATAAGTAAA | ACTCTGAAAT | CTCAACATGC | CTTTTAATTC | ATGAAAATAA | 31680 |
| AAAATATAGC | AGCATATGCA | ATATGATAAT | TCTCTGAAAA | CATACATCAT | GTGAACTACC | 31740 |
| CTGGAACACA | TCTCGCCAAG | TGCCATCTTC | ATTTTAACCA | GAGGTCTAGG | ATGCCTTTCC | 31800 |
| TTTATTTTGC | CTATTATATC | ATTTATAAAA | CCCCATTTTT | ATTTTGATAT | TTTATTTACT | 31860 |
| TTCTATTTCC | TGCTCCTAAT | ATCTCCTTTC | TAAACTTTTC | TCAATGACAG | TGACTCAAAA | 31920 |
| ACAATGAATG | TCAGAACAAA | TATTTAAAGG | ATCTGTACAT | GTAGATATAT | ATATTTAAAA | 31980 |
| TGGATTCTTC | CACTCTGGGA | AGAATTCAGG | CATACTCAAT | CTTATGGTTA | GGGAGAGATT | 32040 |
| AGGCTCACTC | GCCTAATCTG | TATGGCTTCT | CGTTGCTTTT | CCATTTACC | TTCTCTCAC | 32100 |
| CCATCAGATC | AAACTCATTC | ATTGAACAAG | AGACCTAAGC | CCTTCAGATT | AAACTCTGC | 32160 |
| AAACAAGTTG | TGGTTGAGAG | GATACATGAA | GCATTCAAAC | AAATAAATCT | ATGATATTAA | 32220 |
| TCAGAGGTTA | ATCTATGATA | TTAATCAGAG | GTTAATGCAG | TGGCTCACGG | CTGTAATCCC | 32280 |
| AGCACTTCAG | GAGGCTGAGT | TGGGAGAATC | GCTTGAGCTC | AGGAGTTCAA | GACCATTTTG | 32340 |
| GGCAACATAG | CAAGTCTTCA | TCTCTACTTA | AAAAAAAATA | ACCAGAGGTG | TTATGAAAAT | 32400 |
| ATAAATTGTC | CAGAACTACC | CTCCACAAAC | TAACTCTCTC | AGAATATTCG | ATATGAGGAA | 32460 |
| TGAAATATGG | TGTGTGTGTG | TGTGTGTGTG | TATGTGTGTG | TGTGTGTGTG | TGTATGCACC | 32520 |
| TATATATGGC | ACCTATATAT | TCAACAAACA | ATTCTGATAA | TTGGCCAGGG | TTGAGAATGA | 32580 |
| CTAGCAGCCC | AGCATACACT | ATCAGTTTTA | AGTATATAAT | TGCGCTTTAG | TAAAATGTAA | 32640 |
| AGAAATCCCA | GAGTAGAAAT | ACTTTTAAGC | TATATTACAG | GTGAGAAAAT | GCATAAGTAT | 32700 |
| AGTCTCACCC | AACTTAGACT | ATGGGGGCTT | TATAATGTCA | CAACAGTTGT | TTCCAGGCAT | 32760 |
| TTGGGGACAT | CACCACTGGT | CTTGGGCAAG | AAACTCCTCT | AGCCAATGGC | TGATTTATCT | 32820 |
| CACTCCCATC | TAAGGCTTCA | CTGCATTTCT | CTTTTTCAGC | AACCTAACTT | ATTTAAAAAT | 32880 |
| ATCCATTTTC | TGATTCATTT | TTTTCTGAAT | TAAACTGTCA | GTACCATTGG | CACACCTTTG | 32940 |
| GTTCCGTAGC | ATACCTGTGT | CTCTGCTGTG | GTTTTTTTTTA | CCTCCACTCC | TTACTTTTCT | 33000 |
| AGAAAAAAT | CTCTGCTTTT | TCTTTTCAGT | TTAAATTATT | TCACAAAAAG | TTTTCTTGAC | 33060 |

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| TTGCACTTCC | TAGGCTTGCT | GTCCTTGTGT | GGGCACGCTC | CCATAAACAC | TATTAATACA | 33120 |
| CTTCGATTTG | TTAAAAATAA | AGATATCTGG | ACAGAAAATT | TCTTTTCTTT | TTTTAAGATT | 33180 |
| TTAAATTTT | TAATGTTTAT | TTTTTTCCTA | GACTGGAGTA | CAGTGGCACC | ATGATGGCTC | 33240 |
| ATGGTAGCCT | ACACTTCCCC | GGGCTCAAGT | GATCCTCCCA | CCTCAGCCTC | CCAAGTAGCT | 33300 |
| GGGACTACAG | GTGTGCACAA | CCACACCTGA | CTAATTTTGT | TTATTTGTTT | GTTTTGTTTT | 33360 |
| TTGAGATGGA | GTTTCGCTCT | TGTTGCCCAG | GCTGGAGTGC | AATGGCGGGA | TCTCGGCTCA | 33420 |
| CCGCAACCTC | TACCTCCCAG | GTTCAAGCAA | TTCTCCTGCC | TCAGCCTCCC | GAGTAGCTGG | 33480 |
| GATTACAGGC | ATGCATCACC | ACGCCCAGCT | AATTTTGTAT | TTTTAGTAGA | GACGGGGTTT | 33540 |
| CTCCATGTTG | AGGCTGGTCT | GGAACTCCTG | ACCTCAGGTG | ATCTGCCCCG | CTCGGCCTCC | 33600 |
| CAAAGTGCTG | GGATTACAGG | CGTGAGCCAC | CACGCTCGGC | CACTAATTTT | GTATATTTTG | 33660 |
| TAGAGATGGG | CTTTCCTGT | GTTGTCCAGG | CTGGTCTTGA | ATTCCTGGGC | TTAAGTGATC | 33720 |
| TGCCCCACCTT | GTCCTCCCAA | AATGCTAGGA | TTACTGGCGT | GAGCCACCAG | GTCTGGCTGG | 33780 |
| AAAGATAATT | TCTAACATTA | TCCTCTCTTA | AACATTTGTT | TCAAAAATTT | TACAAACATG | 33840 |
| AGAGTAATTA | AATTTGATTT | TCAAAATTCC | CTTGAATACT | TTCTTAATAG | CACACAGAAA | 33900 |
| GCACAAAGTA | TTTTACATTT | GTTTTAATGA | TGAAATTGTG | AACCCAAACT | TACACAAAGA | 33960 |
| AAAACCGTAA | CATTATACCC | ATACTTAAAA | CAGATGCCCT | CATATACATA | GTAAAACTCT | 34020 |
| TGGGGGCAGT | AGTGAAGTTG | GTTATTTACT | GTTTTATGAA | AGTGCCATTC | AGCCGGGTGC | 34080 |
| AGTGGCTCAT | GACTGTAATC | CCAGCACTTT | GGGAGGTCGA | GGCAGGCTGA | TCACGAGGTC | 34140 |
| AGGAGTTCAA | GACCAGCCTG | ACCAAAATGA | TGAAACCCTG | TCTCTACTAA | AAATACAAAC | 34200 |
| ATTAGCTGGG | CGTGGTGGTG | TGTGCCTGTA | GTCCCAGCTA | CTCAGGAGGC | TGGGGCAGGA | 34260 |
| GAATCGCTTG | AACCTGGGAG | GCGGAGATTG | CAGTGAGCCG | AGATCGCACC | ACCGCACTCC | 34320 |
| AGCCTGGGAG | ACAGGGCGAG | CTCCGTCTCG | AAAAAAAAAA | ACAAAAAAGT | GCCGTCATAG | 34380 |
| TGACTTAGTT | TTAAGGAATA | AATCAAGGAT | ATTTAACTCA | ATAGACTACA | GTTAGCTAAC | 34440 |
| GTGACTTGCA | CTGAAAGTTA | TACGAATATT | GGTACTTATT | CCCCTGCCCC | TGAAGTATGA | 34500 |
| ATTAAAGACT | CCAAAATTCT | TTTTAGAATC | TTCAGAGTAA | AAGCTAGAAT | TTGATTTTTT | 34560 |
| TAAATAATAA | AAAAATACTT | TGTATCTAAA | TCTGGTGTAT | AAAATAACTT | GGTGGATGAT | 34620 |
| GCTTCAAGGC | TATCCATCCC | CAAATTTCTC | CCTGAATGAT | AAAGAGAATA | AATGAATATG | 34680 |

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| TCAATTCAAA | AGTTAGAAAT | TTGGCCGGGC | ACGGTGGCTC | ACTCCTGATA | ATCCTTTCGG | 34740 |
| ACGCTGAGGT | GGGTGGATCG | CATGAGCTCC | GGAGTTCAAG | ACCAACCTGG | GCAACATAGC | 34800 |
| CAGAACCCGT | TTCAATAAAT | AATAGAAAAA | AATGAGCCAG | GCGTGGTGGT | CCCAGCTACT | 34860 |
| CAGTAGGCTG | AGGTGGGAGG | ATCACTTGAG | CTCAGGAGGT | CGAGACTGCA | GTGAGCCGTG | 34920 |
| ATCGCAGTAC | TGCACACCAG | CCTTGGTGTC | AGACTGAGAC | CCTGTCTCAA | CAACAACAAA | 34980 |
| ACAAGTTAGA | AATTTGGCTG | GGCGCGGTAG | CTCACGCCTG | TAATCCCAGC | ACTTTGGGAG | 35040 |
| GCCAAAAAGG | GCGGATCATT | TGAGGTCAGG | AGTTTCGAGAC | CAGCCTGGCC | AACATGGTGA | 35100 |
| AACTCCATCT | CTACTAAAAA | TACAAAAAAA | CTTAGCCGTG | CATGGTGGCA | TGCGCCTGTA | 35160 |
| GTCTCAGCCA | CTTGGGAGGC | TGAGGCAGGA | AAATTGCTTG | AACCCAGGAG | GCAGAGGTTG | 35220 |
| CAGTGAGCCG | AGATCATGCC | ACTGCATTCC | AGCCTGGGTG | ATAGAGTGAG | ACTCCATCTC | 35280 |
| GAGAAAAAAA | AAAAAATTCT | GTATGAACTG | AACAAAATAT | CCTTAAATTT | TAAAATACAT | 35340 |
| CTGAAAGATA | TTTCAAAATA | TTTAGGAAAA | AAATTATAGG | GATCAGGCAA | ATTCTGAGAT | 35400 |
| TCCTTTTTCC | CTGCAGCAAA | CATTAGGAGT | GCTGCTGTTC | CTAAAAACAT | GGTAACTGTT | 35460 |
| GCCACACCGT | ATGTTTCCTT | GGCTCAGACA | TAAGGTGTGTG | TAGTTGTTAT | TCCAGAATAG | 35520 |
| CTAGAATAAA | AATCCAGCAC | ATCATTTTCT | TCAGCAAGTT | AACTAACCTC | TCTGTGCCTT | 35580 |
| GGTTTCATAA | CAGCAACATA | AGCATAACAG | AATAGCAGCA | ATAGCTCCTA | CCTACCTCAT | 35640 |
| AAGATTCTTT | GGAAGAATTA | AATTAAGATT | CAGAACACAG | CCTAATATCT | AGTAAGTAAT | 35700 |
| AATAATTGGC | TAAAAAAATT | TTCTTAAGAT | TATATATATT | CATGGGGTAC | AAGTACAATT | 35760 |
| TTGCTACATT | AATATATTGC | ATTGTGGTGA | AATCAGGGCC | TTCAATCCAT | CCCGGAAAAA | 35820 |
| AAAAGTTTTT | GAAAAGATTT | CTGCCATGGA | AACTTTTAA | TGTACAAATT | CATCCATCCA | 35880 |
| AGAAATAGAA | AATATATAAG | TATCAACTCC | AAATCCACCA | TATCTATCTC | TTCTGCACCT | 35940 |
| TAAACAATTA | CTCAGAAATA | GAATGCTTGA | GATACCAGAA | TGCATGCATA | TCAAGTAATA | 36000 |
| AATGCATGCA | GGATGTCAAC | GCATCCTAGG | CTTTCAAATA | AAATTGTCAT | ACAAAATACT | 36060 |
| TTAATATTGT | AGTAACATTC | TACATGTTAG | AGTGTAGAAG | TTAATCGCTG | ATGCAAAAAA | 36120 |
| GGAAAAGAAC | ACATTATACC | CAAAGCCTAC | AGAGAGAATC | ACAATTACAA | ATATCAGCCT | 36180 |
| GCATGTGAAA | ATCTTTAATT | TGAAAGTCAG | AAATATTTAA | ATGATAGTCA | TTGTAAATC | 36240 |
| AGATTGTGGT | TTGAAAAAAA | GTTAGTTTAA | AACTGAGTTT | ATGAAAAAAT | TGGGGATTTT | 36300 |

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| AGAGACAGTG | TTTTGTTTTT | AAATGTGTGT | GAGTTTGTGA | AGAATGTTTT | ATAAAATACT | 36360 |
| GACAGTATTA | TAAGATGACA | TTATTATAAT | ACAACATAAG | AATTTTGGCC | TGTACCTCTC | 36420 |
| AGCAGTCCTC | AATCACCTGC | TGTACTTGAC | TCAATGATTA | TCAGAGTGGT | TTGTTTTCTC | 36480 |
| TCTGTTGTGT | TCCCAGTTCA | GGCAGCTCAG | CAATGGCCTG | TGATTCCAGC | AATTCAAATA | 36540 |
| GCTGGTAAGT | AGTTTCTTGT | TTGTTTTCTC | AAATTTTCAG | GGGCTTTTCT | CTACAAGTGA | 36600 |
| TTTCCAGTGC | ACGCCCCCTC | ACCCATTCTT | TATTCCTTTA | CCTTCAGGAA | AACCCTCAGC | 36660 |
| GCTGCATCTC | TGGTCACCGG | ACCACCGTGG | TACATTTACC | TATGGCCACC | AGGTGTCACC | 36720 |
| CTTCTCTTTA | CTACCATGGT | TTGTGAATGG | TTTTGCCAGA | GGTGAATAAG | AATTTAAAT | 36780 |
| GCAGGTCTTT | GATTTTTCAA | ATGTAGTTGA | CCTTAAGAAT | TTATGAATAA | AGCCAGAAAA | 36840 |
| ATTAAGCTTA | AAAAACACCG | AAAGAAAATG | AGGACTTAAA | ATTTCTATTA | AAAAAATTAA | 36900 |
| CAGGCCACAG | TTGCTGATGT | TTAGTAAATG | TGTTAGTGAA | ATGTGTTACT | GTGAAGACTG | 36960 |
| GGGTGTTTCT | TGAAATCTCA | GCCCAGGTGA | AATAAAACCA | ATATAAAACA | AATGCTTACC | 37020 |
| TAATAAATTA | ATTGTAACAT | ATTCCTTATG | AGGTAGAAGA | GTAAGTGAAG | CCTTATAGCA | 37080 |
| GTCTGCTTTC | AGTATAGTAA | GATATTAAGA | GAGAAATAAT | TTGTCATATG | CTTTCAGAAT | 37140 |
| GGTTTGCTGG | TAAAATAACC | AATGTCTTAC | AACTTAGACG | ACAATGTCCC | TAGAGTGAAG | 37200 |
| AAACACGATT | AATTCGGCTA | CCACAGTTGA | ATGAAAATAT | TCCGTAAGAC | AAAATGTAAA | 37260 |
| GAAATTAGAA | GCAAAATAAA | TGTCTCCAAA | ATGACAAAGC | GATTAAGTAT | ATACACAAGA | 37320 |
| TGAACAAGAA | CTTCAATAAA | ATCATGCAGT | ATACAATACA | ATGTACATTT | ATTAAAGTAT | 37380 |
| ATGCATTTTT | AATGCAACAA | TAATACTAAC | AGGTAATAGA | CAAGTTGTTA | ATAGTTTTTC | 37440 |
| ACTGGCTAAT | TAAATAACAG | CTTTAATTGT | ATTCATTTTA | TAGCTTTTCT | ACAATGAGCG | 37500 |
| TAAATCACAT | TTACTTTTTT | CTACATAACT | TTTCTAACCA | CAAAAAAGA | AAATGGTTTA | 37560 |
| AAAGAAGAGA | TGAGATATCT | TTGCTAAAAT | TTAATGCCTA | AAGAAGAAAC | TTCTGAGCTG | 37620 |
| TATATGGTAT | CCTGAAGCAC | CTGCCCTTCA | AGACAGAATG | CTTGTAACCAC | ATTTATGCAG | 37680 |
| CCAAGTGCAT | GTAAGTAAAT | AAAGTAAACA | CATGCCATCT | GGATATATAT | ATTAAGACTC | 37740 |
| TTTTGACGGC | TGGGCAGGGT | GGCTCACACC | TGTAATCTCA | GCACTTTGGG | AGGCCGAGGC | 37800 |
| AGGCGGATCA | CGAGGTCAGG | AGAGTTCGAG | ACCAGCCTGG | CCAACATGGT | GAAACCCTGT | 37860 |
| CTCTACTAAA | AATACAAAAA | TTAGCCGGGC | ATGGTGGTGC | ACGCCTGTAA | TCCCAGCTAC | 37920 |

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|------------|------------|------------|------------|------------|------------|-------|
| TTGGGAGGCT | GAGACAGGAG | AATCGCTTGA | ACCTGGGAGG | CAGAGGTTAC | AGTGAGCCGA | 37980 |
| GATCATGCCA | TTGCACTCCA | GCCTGGGCAA | TAGAGTCTCA | AAAAAAAAAA | AAAGACTCTT | 38040 |
| TTGAACATGG | TGAACTGATT | TCCCAGAATC | TAGCAATTCC | TGAATGTCCT | GGTTAGATTT | 38100 |
| TTTTTTTAA | GTGCACCGGA | ACCCAGTGG | CTCCATGGAA | GGACCTGGGC | ATCCTCTAAG | 38160 |
| CCACTTGGTG | GCTTCCATTA | TACCATCTCA | AAATGAGAGA | GCTTACTCCA | CTTCATTGAG | 38220 |
| GGAAATACCA | CCAGAGTTCT | GACTCCAGAG | GCACTGGCCT | AGGGAGGACA | CCGTGTGTGA | 38280 |
| AGCCCAGCAG | GGCCACTAGC | TGTCCCCACC | AATTACAGTC | CTTGCGTAGG | GTCCAAAGAA | 38340 |
| ATGAATGCCA | AAGAGAGCAA | CAGAGGAGCA | AGGGAGTCAC | ATTCCAGGAC | CTTCCTTCAG | 38400 |
| GGACTTTTAA | AGGAAACATG | ACAGCTGAGG | ATCAGTTGGT | TGTTTTCTGC | TGTTCCCCTT | 38460 |
| CATGTGATTC | AAGCTCATTC | AGAAGAAACA | CAATGAGACA | AGAGAAGAGC | CATCTCCTTC | 38520 |
| CTTCTCTATT | TATTCTAGGC | ATCTAAACTA | CTGAATGTAG | TGGTGTCTGA | GATGTATCAA | 38580 |
| ACGGTCAGAT | TGACTGAGTT | TGAAACCTGT | TTCTATCACT | GACAACTAT | GAGATACTCT | 38640 |
| ATACTTCACT | TTCTTTTTTT | TTTCATTTTT | TTATTTTTAT | TTTTATTTTT | TTGAGATGGA | 38700 |
| GTCTCACTCT | GTCACCTAGG | CTGGAGTGCA | GTGGCGCAAA | CTCGGCTCAC | TGCAAGCTCT | 38760 |
| GCCTCCTGGG | TTCATGCCAT | TCTCCTGCCT | CAGCCTTCCG | AGTAGCTGGG | ACTACAGGCG | 38820 |
| TCTGCCACCA | CGCCCAGCTA | ATTTTTTGTA | TTTTTATTAG | AGATGGGGTT | TCACCATGTT | 38880 |
| AGCCAGGATG | GTCTCGATCT | CCTGACCTCG | TGATCCACCC | GCTTTGGCCT | CCCAAAGTGC | 38940 |
| TGGGATTACA | GGCGTGAGCC | ACCGTGCCCG | GCCTACTTCA | CTTCTTTCAT | TTAAAAAAGA | 39000 |
| AATGGGGATA | ATAGTACCTA | TCTCATAGAA | TTATTGTAAG | AAGTGCATGC | AGTAATGCAT | 39060 |
| GTAAGTAGGT | GCTCAGAAGA | GTCGGACACG | AAGTAAGTGC | TTTTATCATC | CTTATCATAA | 39120 |
| TTTTCATTAT | CAGAACAAGG | AGAGACCAGG | TAGAAAATTA | TTGTGATTCT | TCAGGTCTGG | 39180 |
| AATACTAGAG | TAGCATCCCA | AATGAAGGCA | CCATTAAACT | TTGCAAATCT | GTATGACACC | 39240 |
| TTCATGCCAA | TTAGAAAAAA | CACCTCTTCA | CAACCCCTTT | CAAGATATTT | GCCTCCTACC | 39300 |
| TGCTAAAAAC | ACCCATCATA | CTACCCACAG | ATAGCCATGA | TGCTTTTTCT | GGGACAGGTG | 39360 |
| CCTCTTCCAT | TCGTGCAGTG | TACAGCCTTC | ATAGCTGTGC | AACTCACATC | ACAATCAGAT | 39420 |
| GGAAGAATCC | CCAAGGCTTG | GTGACAGATG | AGTTACTGGG | TAACACAGAG | AGAGGATTCA | 39480 |
| AAGGAAAAGT | TGAACGGGTC | CAGAAAATGC | ATAGATACAT | GTGTAAAAAT | CTGGTAAGGT | 39540 |

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|-------------|------------|------------|------------|------------|-------------|-------|
| TATGACTAGC | CACGTCCCAG | GGTTCAAAGC | TTTTCTCAGA | TGTTAAAATG | AATCATGTAA | 39600 |
| GTCCCCCAA | TTTAAGGAGT | CCTCTTCCAA | AAATAGGAAA | TGAAATGACA | TAGGTGTATG | 39660 |
| TCTCTGAGGT | GACGGAGGAA | ATGAAGGAAG | CCTCTAGATG | CAGCTTGAGG | TTCATGAGAG | 39720 |
| ACAGTTCCAG | GGGAGAGGTC | ACAGCTAGGG | ATCACCGGCA | TGCAGGAACT | CAGAAACCTA | 39780 |
| AATGGGGAAA | TCTTTTTGAG | GAAATGAACA | GAGAAGGCTA | AAATCAAGGA | GTTTCGTCAGG | 39840 |
| CAATTTCTAT | GTTTAGGTTT | AACTCTCTCC | TGAAACATGA | AGAGCTCATA | AATGCACTCC | 39900 |
| CTCTTTGAGT | CTCTAGTTTT | GTCTCCTTCC | CACAGTGAGT | CTGCAGGCTG | CGTGTCACTC | 39960 |
| ACGTTTCAGCT | AAGACGTAGT | GCCCCATGGC | TCCTCCTGTG | GAGACAAGAG | ACCCAGGAAA | 40020 |
| GAGGCATCAC | AAACCTAGGC | ACCATCTTGC | CTCTTCTCTC | TTCCTTATTT | TCCTCATTCA | 40080 |
| CCCATCTCAA | TTTAGACCTG | GGCACTATTG | GATTTCAAGA | ACCATTATCT | CTCATCTGGA | 40140 |
| AATGCTTATT | GGCTTTCTAA | CTGGTCTCCT | CACCTCTCAT | CTAACTTCTT | AACAACACAT | 40200 |
| TCACCATATA | AGGGAGATCG | TGGTCTCCT | TTCTTAGGAT | CCTTCAATGA | CACCCCAGTG | 40260 |
| ATCATAACCC | AATATCCCAA | AAGACCCTTG | GACTCTGTAT | GAGCTGGCTT | CTTTCTGATT | 40320 |
| CTCTTTTCCC | TACACCACAG | ATGTTTCAGG | GGTAGAAATG | CATAATTGGT | GAGTGATAGC | 40380 |
| TAAGCAAAC | CAGGGTTAAG | GTACAGTAAT | TATTTCTAAT | CTCCCAGTAT | GCCTTATACT | 40440 |
| CTCCTACTTG | GCATGGTTGC | TCCGTCTGTG | TAGACCTCCC | ATCATCTTCA | ACCTCACCTA | 40500 |
| ATGGAATCCA | GCTTCTCCTT | CAAGATCCAG | AAGGCTATCT | TGATCCCCAG | CTGAATGTGA | 40560 |
| TCATTCTTTC | CTTTGACACC | CTAAGCATTT | GCTTCCTGCC | TGCTTTAGGA | CCTCATGGGG | 40620 |
| TCTTCTTTAA | CTACATTTAC | TTGCTATCAA | TTTCATTCCC | TACCAGATTT | GGGTTCTGAG | 40680 |
| AATAGCCACA | GTGACTTCTC | AACCTCAAAG | CCCCTGTACT | ACCTTAAACA | GCTCTTGCAA | 40740 |
| AATAGTAGGT | GCTCTGAAGA | TGTTTGTTGA | ATTAGAGACT | TTCATTCTGG | GGAGAACCAT | 40800 |
| TATTTTCTGT | CTCCCAGGGA | GCTGCTGGTG | TCCCCAAAGA | ATATAAATGA | GAAAAATGCT | 40860 |
| TCCCATGGAT | GCCAGATCCC | CTCTGCCCC | CTTCCCCTG | TGCCCTGGGG | CAGAGGTACT | 40920 |
| AAGAGACTTC | CCCCTTGTTT | CTACTCACTT | GAACCCTGCC | TCTTCCTTAA | TATTATGAAC | 40980 |
| AAAATTCCAA | TGAACAAGAT | GACGACAAAA | ACAGCAATTC | CACTGATGAC | TCCAATGACT | 41040 |
| AGGGTGCCAG | ACGGTGAGGG | CTCTAAAACA | GAAAAAGCAA | GTTAAAGCCT | TTGATTGCCA | 41100 |
| CCCTCAGCCC | ACCCCCTAAC | AAAGAGCAGA | TCCTCATCTC | ACTGCCATAA | TTACCTCCTC | 41160 |

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|------------|-------------|------------|------------|------------|------------|-------|
| AGGCACTCCT | CTCAACCCCC | AATAGATTTT | CTCAGCTCCT | GGCTCTCATC | AGTCACATAC | 41220 |
| CCCAGATCAC | AATGAGGGGC | TGATCCAGGC | CTGGGTGCTC | CACCTGGTAC | GTATATCTCT | 41280 |
| GCTCTTCCCC | AGGGGGTACA | GCCAAGGTTA | TCCAGCCCTG | GTAGGTCCCA | TCCCCATTGG | 41340 |
| GCAATACGTC | TTTAGGTTTCG | AACTCCTTGG | CATCCATTGG | CTGCTTATCC | TTCAGCCACT | 41400 |
| TCATGGTGAT | GTTCTGGGGG | TAGTAGTTCA | AGGCCCGACA | CCGTAGAGTG | GTCACTGAAG | 41460 |
| AGGTCACATG | ATGTGTCACC | TTCACCAAAG | GAGGCACTTG | ACAGGAAAGA | GGAAGGATGA | 41520 |
| GGAGAGGGGA | TCTGTTTACC | CTTGCCAGGA | AGACTGGAAC | TTTCACTTCC | TTCTATAGGT | 41580 |
| TGGAGGAAGG | AAATACCCTT | TTCAGAAAAA | AACAAGCTAC | AGGAGAGACA | CCATTTTGTG | 41640 |
| TCCTAAGATT | GGACTCTAAC | ACAGTGTAC | TTGGAGAGCA | GTCAGATCAG | CTTGTTCTCC | 41700 |
| TCACATGTAA | ATATACATAT | CTGTTACCCA | TGTTCTTTGT | TCTGATAGAT | AAAATTGCCC | 41760 |
| TTTATGTGCA | TTGAAAATGA | TTGAATACAG | ATGGTCAGTT | TCACCTGGGT | CAACCTAGGA | 41820 |
| GGCATTGTTA | TAAGAAGCGG | ACTTGTAAGA | TAGGTAGCTT | CAGTGATTAT | TGCTATGTTC | 41880 |
| TATGAAAGAA | ACTTTTAACC | TAAAGGATTC | TTCTACTCTG | ATAAGTGGCC | TCACTTGATA | 41940 |
| TTTTGTCTCG | GTATTCATAT | GATAGCTGAG | ATCTCTGAAT | TCTCTTTTTT | TTTTTTTTTT | 42000 |
| TTTTTAAGAT | GGAGTCTCAC | TCTGCTGCCT | AGGCTGGAGT | GCAGTGGCGC | GATCTTGGCT | 42060 |
| CAGTGCAACT | TCCGCTTCCC | AGGTTCAAGC | GATGCTCCTG | CCTCAGCCTT | CCAATTAGCT | 42120 |
| GGGACTACAG | GTGCGCATGA | CTGTGACCAG | CTAATTTTTG | TATTTTTTTA | GAGACGGGTT | 42180 |
| TCACCATGTT | GGTCAGGCTG | GTCTCAAAC | CCTGACCTTG | TGACCACCCG | CCTCGGCCTC | 42240 |
| CCAAAGTGCT | GGGATTACAG | GGGTGAGCCA | CCGTGCCCCG | CCTTGACATT | TCTGAATTTT | 42300 |
| TAACAGGTAT | AAATATACAA | AAGATTATTG | GTTAAATAAA | AAGCAAGGGC | CATAGACACT | 42360 |
| TCCCTTTGAG | CCATATGCAT | GGAGAAAAGA | AATTAAACCC | ATGACTTGTC | GCTGTCTCAT | 42420 |
| ACATCTCAAT | TATAAGGTAG | AGACTCTAGG | ATTGAGAAAG | TCCCTTCCCA | GAATTTGGAG | 42480 |
| AGGCACACAG | CCTCAGCCAC | CTCTGAAACT | CCAACCAGGG | ATTCCGTGCC | CTGCAACCTC | 42540 |
| CTCCACTCTG | CCACTAGAGT | ATAGGGGCAG | AAGTGTGTTT | CCACCATAAC | TTGTTGGTCC | 42600 |
| AAAACACCTC | TCCCCAGCTC | CAGCAACTGC | TGCAGCTGTG | CAGGGCAGTC | CCTCTCCAGG | 42660 |
| TAGGCCCTGT | TCTGCCTGGC | CCGAATCTTG | TGCCTTTCCC | ACTCCAGCTT | GGTGGGCCAG | 42720 |
| GCCCTGGGTT | CTGCTGCTCT | CCAATCCAGT | GTGTCAGGGC | AGAATTCAAG | GTGGTCCTGC | 42780 |

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| CCATCATACC | CGTACTTCCA | GTAGCCCTCG | GTACTGTTGT | CTTCTTGCAT | TTCACAGCCC | 42840 |
| AGGATGACCT | GCAGGGTGTG | GGACTCTGGA | AAAATCCCCA | GCCTTGTTAA | CTGCAACCAA | 42900 |
| AGGAATAGGT | CCCTATTTCC | ACCATCCCCA | AGGACCAAAT | GATCTCAGGA | AGCAAATTCC | 42960 |
| TTCCCTCTTC | CCTGCTCCCA | CAAGACCTCA | GACTTCCAGC | TGTTTCCTTC | AAGATGCATG | 43020 |
| AAAAGATGAA | AAGCTCTGAC | AACCTCAGGA | AGGTGAGGCC | CCCTCTCCAC | ATACCCTTGC | 43080 |
| TGTGGTTGTG | ATTTTCCATA | ATAGTCCAGA | AGTCAACAGT | GAACATGTGA | TCCCACCCTT | 43140 |
| TCAGACTCTG | ACTCAGCTGC | AGCCACATCT | GGCTTGAAAT | TCTACTGGAA | ACCCATGGAG | 43200 |
| TTCGGGGCTC | CACACGGCGA | CTCTCATGAT | CATAGAACAC | GAACAGCTGG | TCATCCACGT | 43260 |
| AGCCCCAAGC | TTCAAACAAG | GAAAGACCAA | GGTCCTGCTC | TGAGGCACCC | ATGAAGAGGT | 43320 |
| AGTGCAGAGA | GTGTGAACCT | GGAGACAGAG | CAACAGGCCT | TAACCATGTG | TAGTAGGAGG | 43380 |
| GGAGCAGGAT | GTTGAGGCTC | CACACACCTG | CATCAACTCA | TACCATCAGC | TGTGTCTGGT | 43440 |
| CCTCATTTTG | TGAAGGGTGA | GTTGCAGTCC | TGTCTTTCTT | CCATATGACA | GTCCTGGGTG | 43500 |
| CTCTTTCTTT | GTGTGCTTTT | CTCTGCCACA | CGTGGCTGCC | ACCCCTCAC | TGCCCCCAGA | 43560 |
| TCCTATTCCA | ATACTCATGA | TTAGACAGAC | TCCACTAAAG | CTGGTGGATT | CTAGAAAATG | 43620 |
| TTAAGGTGTG | TCTAGCCATG | GTAGTTGAAC | TCAGGAGTTG | GTGCTCAGGG | CAAATTAGAC | 43680 |
| CCAAATCCTG | AGGAATAATT | CCTTCAGTTT | TTTTTTTTTT | TTTTTTTTTT | TTTTTTTTTT | 43740 |
| GAGACAGAGT | CTCACTCTAT | CACCCAGGCT | GGAGTGCAGT | GGCACAATCT | CAGCTCACTG | 43800 |
| CAACCTGCAC | CTCCTGGGTT | CAAGGGATTC | TCCTACCTAA | GCCTCCTGAA | AACCTGGGAC | 43860 |
| TATAGGCGTG | CGCCACCACA | CCAGGCTAAT | TTTTGTATTT | TTAGTAGACA | TGGGGTTTCA | 43920 |
| CCATGTTGGC | CAAGCTTGTC | TCAAACCTCCT | GACCTCAAAT | GATCTACCTG | CCTCAGCCAC | 43980 |
| CAAAGTGCTG | GGATTACAGA | AGTGAGCCAC | CGTGCCCAGC | CTTGGTCCTG | AATTCTTACA | 44040 |
| CTGAACTGCC | TATGTGGCCT | CACCACTTGG | AAGCCTGACT | GGAATCTCAA | ACTTAACATG | 44100 |
| TCCAAATGCA | GATCCTTGAT | TTACCCCAAA | CTGCTCTTTC | CTCTGCCTTC | ACCATCTCAG | 44160 |
| AAATGGCATT | GCCAATTACC | CCACTGCTCA | GGCCAATAAA | ATTAAAATAA | AGAACAAAGT | 44220 |
| CAACTTTAAC | TCTTCTCTTT | TTCAGGGGGT | CAGGGGAGAC | AGGGTCTTGC | TCTGTACCT | 44280 |
| AGGCTGAAGT | ACAGTGGCAC | AGTCATGGCT | CACTGCAGCC | TCAACTTCCT | GGGCTCAAGC | 44340 |
| AATACCCTCC | ACCTCAGCCT | CCCGAGTAGC | TAGGATCACA | GGTGCATGCC | ACCACACCCA | 44400 |

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| GCTAATTTTT | GTATTTTTTG | TAGAGAAGGG | GTTTTGCTGT | GTTGCCCAGG | CTGGTCTTGA | 44460 |
| ACTCCTGAGC | TCAGGAATCT | GCTCTCCTTG | GCCTCCTCCT | TGGCATGAGC | TACTACACCC | 44520 |
| AGCCAATTCT | TCTCTTTCTC | TCACACAACA | TAGAATCCTT | CAGCAACTTC | CTTCAGAATA | 44580 |
| TATTCAGGAG | ACAATGGTTT | GTCACTCCCT | TTTCTGTTCC | CACCCAGCCC | ACTCCACTAC | 44640 |
| CTCTTGCCCTG | GACTGTGTAA | CAGCTTCCTG | GCTGGGCTCC | CTGCTTTTAC | TGTTGCTCCC | 44700 |
| TTCATTCTGC | TTTCCACATA | GCAGCCAGAG | CAATCTTTTA | AAAGCCTGTG | ACAGATCACT | 44760 |
| GTTACTCCTT | GGCTAGAATT | CACACCACAG | CCTACAGGCG | CCTGCACAAC | CTTGTTTGTG | 44820 |
| GCTCCTCTTC | TGAGCCCATT | ACCTACTTCT | TGGCCTCTAC | TCCCCAGCAC | TACTTGTTTA | 44880 |
| TTTTTTTTCAA | CCCGAGCTTC | TTAACCAGGA | GTTTGTCTAC | TAGGTGACAT | GTGGCAAAGT | 44940 |
| TTAGAGACAT | TTTTGGTTGT | CAAGACTGGG | GGAGTGCTCC | TAGCACCTAG | TGAGTAGGGA | 45000 |
| GGACAGGATA | CTGCTAGACA | TCCTACATGC | AGATGGTAGT | CCCCCTTCCC | ACCCCCACGC | 45060 |
| CGCCCCCCCC | CCCACACACA | CACACATGAG | TAGTGCTGAG | AAAACCCGCT | TTTTAATCCA | 45120 |
| ACTTGCCAGG | CCCACTCAGT | TTGCCTGGGA | AATACTGCTC | CCAGTCAATA | TCATTCTTAT | 45180 |
| TTCTTCATG | TCTCTGCTCA | AGTGTCAGCC | CCAGAGTGAC | TTGCCCTGAC | TTCTCTGCTT | 45240 |
| CTCACAACAC | CCATGATTTT | CTGATGTTGT | ATATCTTTCT | GCTCATTTGC | TTATTGTCAT | 45300 |
| CTCTCCCACT | AGAATGCAAA | ATATCAAAGG | GTAAAGACTT | GTTTCCCTGC | TCTCTCCCTT | 45360 |
| GGGGCTTGAA | CAGTGCAACA | CATGGCTGGG | ACTCATTTAC | ACTTGTA AAC | AATGAATATT | 45420 |
| TCTGCTCAAC | ATGAAATTTT | ATTATTCAAC | CTCTAATGCA | GTGTGATGTT | TAAGAATCAT | 45480 |
| AGCTATGAAG | TGGAGACATG | AGCTCTGCCA | CCAAAGCCCC | GTGTACCATT | GAATAAATTT | 45540 |
| GCCAGGAAGC | AGGCCGTGCC | ATGCCTCATT | CTTGTCATGT | GTAAAATGTG | GATACACGTA | 45600 |
| GTACCAAAAC | TCAAAGTGCT | GTGCTGAGGC | CGGCGTGGA | CCCACAGAAC | ACTGTGCTAC | 45660 |
| ACTACAGGGC | AAAATCACTG | TCAACTAAGA | TTAGAAGCAG | CTGTAGTACT | TGAAATAACA | 45720 |
| TCAGAAAACC | AGATTATTTA | TGTTCTTTGT | AACCTGAAAA | GAGTTATATA | ATCTGAATTC | 45780 |
| CAGTTAACTT | CTAGTAAAT | AAACGTATTA | TTAGCTCCTA | CCTCCCTATG | CCTAGTGAAA | 45840 |
| ATCAAATAAG | ATCAGATATG | AATGTAACTT | AGAAGTGAGT | GCATTGCTTA | CATGTTTCATT | 45900 |
| ATCAGTACTT | TGTAGAGAGG | CCTCTTAATT | ACACAGCACA | TTGCAAATCA | ATAAAGCCTA | 45960 |
| GCCGAAAAGA | GAATTGTTCA | GTTCAAACGT | TCAAACTAA | CATATACTTA | ATTTTCCAGG | 46020 |

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| CAAAAGAACA | ATTGCCAAGA | GTGGGGAAAG | GCCCGAGGTA | GGCCTCTCTC | AGGAGCCTCC | 46080 |
| CACCCTAGAG | ACCTCCACCC | CAGGTCTCAC | CAAAAGTGGG | TGGAATGGTG | AAGAATTCAG | 46140 |
| ATCCCCAACG | CCACTCTTTC | GCGCCCCCAC | CGCCCAACGC | ATTGTTCTTG | AGGTGGAAAC | 46200 |
| CCCGTGCGGA | TCCTGCTGTG | GGTTTGCTCA | GCCTTCTCGG | CAAGCACTCA | GGGAAGAACT | 46260 |
| TCCTGTTTGG | AGATGACTGG | GGAAAAAACT | GCACAGCTGA | CATTGGAAAT | AAACCCGAGT | 46320 |
| TCCAGGTTCA | AGGAGCCCCA | GGCTTAGCTC | AGCTCAAGTG | AGGAACTACG | AGATTTATTT | 46380 |
| AAAAGCATTTC | TAGTTGGGGG | AAGGGAGTGG | GCGGTTCCAA | AAGTCACTCC | GCAGAGCCGG | 46440 |
| GACAGCCGGG | GGAGGGGGCA | GGTCCTGGGG | CGAGGGACCC | CTATCTGCAG | TTCAGTGGTA | 46500 |
| GGCACTCCCT | CACGGGGTCT | GGACGCAGAA | AGTAGGGAGA | GGGGCTTGCG | GATTGGGTTG | 46560 |
| AGCAGGTCCT | CCAAAGTTAG | CAAACCTCCA | AGCGCAAAGA | AAAAGCTAGT | TTCGATTTTT | 46620 |
| CCACCCCCGC | CGCGCCCCCTA | GTTGCGCCGC | AGCCCTCGGA | CTCACGCAGC | AAGCGCCCCCT | 46680 |
| GCAGGACCGC | GGTCTGCAAA | AGCATCAGGA | GGAGAAGCGC | CGGCCTGGCT | CGCGGGCCCA | 46740 |
| TTTCCCCAGC | TCTGGCCGCA | CGTCCCCGTT | AAATCTCCGC | TTCTTTTGGG | GGGCGGGGAA | 46800 |
| ACGGGGATGG | CTCCAGAAGT | CACCCTACAG | CTATTGCCTA | GGCTCAGGAG | ATGCCCAGTA | 46860 |
| AAACTTCCTG | GTGAAAAGCA | ACAGGTCTTT | CAGAACTTTA | GTTCTCTCTC | TCCTACAGCA | 46920 |
| GAAGGTACCT | GCTTGTGAAA | CACTAGGTGA | TCCAGTGTCC | CCCTTGGTTT | TTAAATCCTG | 46980 |
| AAGGGGTGTT | GTTGATTGGG | GAAAGTAGCT | TCGCAATGTT | CTGATCTGAA | CTTTAGATAT | 47040 |
| TTAAATATTT | ATGATTTTCA | AAATTCAATC | ATACATTTAA | AAATTTTATC | TCAACCTTAG | 47100 |
| ACCAACTTAT | GTCTTATTTG | ACTTAGAAAT | ATAAAGCTTT | TTCATTTTGT | TTTTTGATTC | 47160 |
| AAATTAATTA | AGTCATAACA | TTAACCAATT | AGATCCTACT | GAAACACGTT | CCACAGCCTT | 47220 |
| CATAATTGAA | TTATCTGACA | AGTGTTTCAC | AAACTTTTACA | GTATTGGGAT | TATCTGGAGA | 47280 |
| ATGATTAAAC | ATATTGAGGC | CTGCTCCTAA | CCCCAGACAC | ACTGATTTAA | TGGGTAATTG | 47340 |
| TTAGGTAGTT | AGACATTAGC | AGTTGGGAGG | GGATGACAGA | AGAGAGCGGA | AAGGCTGTCA | 47400 |
| CTAAGACAGC | CACTGGCCCA | CCTAAATTCA | GGCCCAAGAC | TACCCTAATG | CCACCCTAAG | 47460 |
| GGATGGAGTT | TATGATAAAG | TCTGTGGCCA | AAATATCCTG | GAGAAAGAGA | AAGGAGGGTA | 47520 |
| CAGGTGGAAA | TTCCCTAAGG | TGGCACATGC | CCAACAACAC | AAAAGCCTGT | CTTCAAGTTC | 47580 |
| ACCCAAGTT | CATCATGCCA | TCATTATAAT | AGAATTTACA | TACAGTTTTG | CCCCCCCATC | 47640 |

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| CCTGGGAGGC | TTTTCTTAAC | AAATTATAGG | TAAGACCATG | CACAGTTTAA | TTTTAGATTG | 47700 |
| TATAGCTATA | AACTTCAATC | AAATAACATC | ATCCTGTCAC | TCAGATACAG | CCCAAACCTC | 47760 |
| AACTCCTCCC | CACAAACCCC | ATAAAAGCAC | CTTGAGCTCT | GTAAAGAAGT | GCTGAGTTCA | 47820 |
| CTTCGCAGAA | ATAAGCCCGC | TGTCCCTCAG | AGTGTATTAT | TGTGCTTCAA | TAAACTTTGC | 47880 |
| TTTAAGCTTG | CATTTTGGTG | TTAGTTTGTA | GTTCTTTGCT | CACTATCACA | AGAACTGAGA | 47940 |
| TTGCTGCTTC | AGAGCTCCGG | CTATAATAAT | CTCCTCGGTT | AAAGGATCCA | TCCCAATGCA | 48000 |
| TAATTCCCAG | TAACAGTATG | GGATGCCACC | TGGGCAATGG | GATTTTAAAA | GCTTTCCTTC | 48060 |
| TCCCTCAACG | AAGTTTGGGA | ATTATTGCCT | TAGACATTTT | AAACAATATT | AATAAATTTA | 48120 |
| ATACACCTGA | TTTGCTCCAA | ACCTTTACAT | ATCTAGCAAA | TTCAACAGGC | ATTATTTTTG | 48180 |
| TAAGCATGTA | TGCAAATTTT | GGCAATTCAA | GAAAATCAAA | CAGGATATCA | GGGCCTCGAC | 48240 |
| TGTAGGCAAA | CAGATACAAT | AACATTGGAA | ACATGTAGAA | TATTGATGAT | GGGCACATTG | 48300 |
| GGGCTGATAG | TACTATTCTT | TTTTTTCAAT | TTTTGGTAAG | ATATAATTAG | CATACCATAT | 48360 |
| AATTCATCTA | TGTAAAATGC | AAAAATTGGC | CCAGCTCAGT | GGCTCACGCT | TGTAATCCCA | 48420 |
| GCACTTTGGG | CGGCCGAGGA | AGGCAGATCA | CCTGAGATCA | GGGGTTCGAG | ACCAGCCTGG | 48480 |
| CCAACATGGT | GAAACCCCGT | CTTTACTAAA | AATACAAAAA | TTAGCCGGGC | GTGATAGCAG | 48540 |
| GCAACTGTAA | TCCCAGCTAC | ATTAGAGGCT | GAGGCAGGAG | AATCGCTTGA | ACCCGGGAGG | 48600 |
| CGGAGGTTGC | AGTGAGCTAA | GATCGTGCCA | TCGCACTCCA | GCATGGGAGA | CAAGAGCAAG | 48660 |
| ACTTCATCTC | AAAAAAAAAA | AATTAGCTGG | GTGTGGTGGC | ATGCACCTGT | AATTCCAGCT | 48720 |
| ACTCGGGAAG | CTGAGACAGG | AGAATCGCTT | GAACCTGGGA | GGCGGAGGTT | GTGGTGAGCC | 48780 |
| GAGATCATGC | CATTGCACTC | CAGCCTGGGC | AACAAGAGCG | AAACTCCGTC | TCAAAAATAA | 48840 |
| AATAAATAAA | ATAAAATGCA | AAAATTAATG | GATTTTAGTA | TATTTACAGA | GATGTGCAAC | 48900 |
| CATTACCAAA | ATTTTACATT | TCTATCTCCC | CAAAAAGAAA | CCATGTTCCC | CTAATTCACT | 48960 |
| ACCCTTAATT | CATCGCCTCC | CAGATTCTCT | CATTCTCCTC | CTCCTCCCCT | CCCAGCCCTA | 49020 |
| GACAATCTTT | AATCTACTTT | CTTTCTATTT | GGAACATTTA | GTATACATAG | AGGCATATAA | 49080 |
| TATATTGCTT | TGCCGTGACT | GGCTTCTTTC | ATTTAGCATA | ATGTTTTTAT | GTATGTTTTT | 49140 |
| CATGGACCAA | TAATATCTAT | TATAAGGACA | TACCACAACA | TATTTTATTT | ATTCATTCAT | 49200 |
| CAGCCGATGG | ACATTGGTTT | GTTTCTACTT | TATGGCTATT | GGGAATAGTG | CTGTTATAAA | 49260 |

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|-------------|-------------|-------------|------------|------------|-------------|-------|
| CATTTATGTA | CAAGTTTTTTT | TGTAGACTTA | TGTTTTGATT | TCTTTTGGTT | ATATATCTAG | 49320 |
| AAGTGGGTTT | GCTGGGTCAT | ATGGTAACAC | TGTTTAACCT | TTTGAGGAAT | TGCCACATTC | 49380 |
| TTTTCCAAAG | TAAGCATTTT | ATCCTCCTAT | CAGCAGTGTA | TGAGAGTTCT | GATTTCTCTC | 49440 |
| CATCTTTGCC | TGGGTTTTTTG | AATCAGGGCC | CCAGATAGAA | CAAAAATGTG | GTTATTTCAGT | 49500 |
| TGTTCCACCA | TCACTTGTTG | AGAAGACTCT | TTTTTCATTG | AAGTGTTTTG | GCACCCTTAT | 49560 |
| CAAAAATCAA | TCTACCATAA | ATGTGAGAGT | TTATTTCTGG | AGTCTCAATT | TTATCCCATT | 49620 |
| ATGCTATAAT | CTATAATCCT | ATCTTTTTTTT | TTTTTTGACA | GAGCCTCACT | CTATTGCCCA | 49680 |
| GGTTGGAGTG | CAGTGGCCCA | ATCCCGGCCA | CTGGCTCCTC | CTCCCAGGTT | CAAGCAATTC | 49740 |
| TCCTGCCTCA | GCCTCCCAAG | CAGCTGGGAT | TACAGGTACC | TGCCACCATG | CCTGGTTAAT | 49800 |
| TTTTGTATTT | TTAGTAGAGA | CGGGGTTTCA | CCATGTTGGT | CAGGCTGGTC | TGGAACCTCT | 49860 |
| GACCTCAGGT | GATCTGCCCA | CCTCAGCCTC | CCAAAGTGCT | GGGATTACAG | GCATGAGCCA | 49920 |
| CCACACCCAG | ACTATAATCC | TATCTTTATG | TCAGGACTAC | ACTGTCTTGA | TTACTATAGC | 49980 |
| TTTTTAGTAA | ATTGAATTCA | AGAAGTTTCT | CAACTTCAAA | TTTGATCTTT | TTTTGGAAGA | 50040 |
| CTATATTAGC | TATTCTCAGT | CTGCTGAATT | TCCCTAGGAA | TTTTAGGATC | TATTATCAAT | 50100 |
| GTCTATTCTA | TTTTTGATA | TGTTTTAATA | TTTTCATAAG | AAACTTTTTT | CATTTAAACT | 50160 |
| TTTTTTTTTTA | AGAAAAATAG | TGAAAATCAG | AATACTGGGG | GTCAGGCGCA | TTTAACAGGC | 50220 |
| AGAAGAAGAA | TAAAACTTG | TCATATAAAC | AAAAAAGAAA | TGACCAATCA | CATTGTGGAA | 50280 |
| GCCATGGAGT | GGTTATAGGT | GCCAAAGGCT | GCAGAGAAAT | GGTGTGAGAT | ATACCTGAAA | 50340 |
| ATTGTCCATT | GTATTTGGCC | ATTAAGAGAC | TTAGAAGACT | TAAGCCATAG | ATTGCTCAGT | 50400 |
| GAGACCCCGA | GGGCAAATGG | TCTGAAGGTG | AATAGATCAT | TTACCTTTA | AGAGAGCAGG | 50460 |
| TAGGAAGCTA | TAAATCCAAG | ATTAAAAAGT | TGACTGAACT | GTTAAAGAAG | AAACTCTAAT | 50520 |
| CTTGAGCCAC | CCTATCCTTG | CTCCACCTTC | TGCTGCAAGC | AAACAGAAAT | GCTGAAATTC | 50580 |
| AACACTCACA | AAGGCTGGTA | AGCTGGAAAT | GACAAAAATT | ACTCCTGGGA | AAGTCAGATT | 50640 |
| TAGAATTAGG | CCATATTTGT | TGGGGTTCAG | ATTTTCATGT | ACACTTGGGA | AAGGGTTTAG | 50700 |
| CTTATAGGCA | CATGCATGAA | GGGAACGGT | ATAGGGCTGT | GTTCATAAGG | TCAAGAGTTG | 50760 |
| AAGGCCAGGC | ATGGAGGCTC | TTGCCTGTAA | TCCCAGCACT | TTGGGAGGCC | GAGGCAGGAG | 50820 |
| GATGGCTTGA | GCCCAGGAAT | TCAAGACCAG | CCTGGGAAAC | ATAGGGAGAT | GCTGTCTTCA | 50880 |

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|------------|------------|-------------|------------|------------|------------|-------|
| CAAAACAATT | AAAAAATAAA | ATTAGTCAGG | TGTGGTGGCA | CACACTTGTG | GTCCCAGCCA | 50940 |
| CTCAGGAGGT | TGGGAAGATC | ACTTAAGCCT | GGGACATTGA | GGCTGTAGTC | AGCCATGATA | 51000 |
| GTGCTACTGC | ACACCAGTCT | AGGTGACAGA | ATGAGACCCT | GTCTCCAAAA | AAAGAGCTGT | 51060 |
| ATCCACATCC | CAGGAAAGTG | GTTGAAGATC | TACTTTTCTC | TGTAAACCTA | ATAAAGAATA | 51120 |
| GAGTGACAAA | TGTGTGTTGT | GGAAAGAAAT | GGGGTGAGAG | CTACGTAGAT | GCAAAACAAT | 51180 |
| ACATCCCCAC | ATACCACTTG | TTAATCATCC | TTTTCCACCC | ACTTATGGGA | TGAATTGCAT | 51240 |
| CTCCCCAAAA | GATACTCTGT | CCTAACCCCTC | AGTACCTGTG | AACCTGACCT | TATCTGGAAT | 51300 |
| ACGGTGAGTT | CACTGGTTAA | GAAGAGATTA | TAGTGGAATA | GGGTGAGTCC | TCCAACCAAT | 51360 |
| GACTGGGGTC | CTCACAGACA | CAGAGGGATG | ATGGCCAGGT | AGAGATGGAG | GCAGAGATTG | 51420 |
| GAGTTATGCT | GCCACAAACC | AAACACAGGA | AGCTGCTAGA | AGTGGAACA | GGCAAGAAAG | 51480 |
| AATCCTTCCC | CAGAGGCTAC | AGAGGGATCT | TGGCCCTGAT | AATACCTTGA | TCTCAACTGG | 51540 |
| CCTACGTAAC | TGTGAGAGAA | TAAATTTCTT | TTGTTCTAAG | CCACCCAGTT | GATAGTACTT | 51600 |
| TGTTACGGCA | GCCCTAAGGA | ACTTGATATA | CATTTCTTTT | ACTGTCATAG | AAGTTTTGAA | 51660 |
| TCTTTTAAGT | AGGTCTGTAC | CCTTCCTCCC | AGTGTCAACG | CATGGAATTC | CTCTCCTTGT | 51720 |
| GCCTTGAAAA | GTGAAAGGTG | TTTGAAGTGG | TAATGAAAGA | AATCTCAGCA | TGAGGCCAGA | 51780 |
| TGCTGTACCT | CACACCTGTA | ATCTCAGCAC | TTCGGGAGGA | TGAGGCGGGC | AGATCACTTG | 51840 |
| AGGTCAGGAG | TTCTAGACTA | CTCTGGCCAA | CATGGTGAAA | CCCCATCTCT | ACTAAAAACA | 51900 |
| AAAAATGTTA | TCCTAGCCGG | GCATGGTGCC | TGTAGTCCCA | GCTACTCAGG | AGGCTGAGGC | 51960 |
| AGGAGAATTG | CTTGAACCCG | GGAGGTGGAG | GTTGCAGTGA | ACTGAGATCA | CGCCACTGCA | 52020 |
| CTCTAGCCTT | GGTGAGAGAG | CAAGACTTGG | TCTTAAAAAA | GAGAAAAGAA | AAATGAAATT | 52080 |
| TCAGCATTAT | AGAATAAAAA | TGTTTCCCCT | TCCCCC AAA | CTTTAAAAAA | GCAGAAGTCT | 52140 |
| GCATCATAAA | ATGGTCTTTG | CCAATGTTAT | TTTTATTATA | ACAAAGGAAT | CTTGCAAGGC | 52200 |
| TACCAGATCT | CAGCAATTGT | CACTATGTTC | TGTAAAAATC | ACTTCCTAAA | ATGTCTGAAT | 52260 |
| TGACTGCTTG | TCTCATTTAT | TTGTTTCTCG | TGTCATACTG | CAATGGATAT | CTGTCTTGTT | 52320 |
| AGTATAAATA | TTTGTGCATT | TTGTTGTTGT | TAAAACAGCT | TTTTTGCCCT | GTCTTCTTCC | 52380 |
| ACCTATGAGG | TAATATAAAA | CTCATGTTTA | ACACTTATTT | TTGTAGGAGG | ACAAGCTACA | 52440 |
| GACAAAACCC | CTCAGACACT | GAGTTAAAGA | AGGAAGGGCT | TTATTCAGCT | GGGAGCTTTG | 52500 |

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|-------------|------------|------------|------------|------------|------------|-------|
| GCAAGACTCA | CATCTCCAAA | AACCGAGCTC | CCTGAGTGAG | CAATTCCTGT | CCCTTTTAAG | 52560 |
| GGCTTGCAAC | TCTAAGGGGG | TCTGTGTGAG | AGGGTCATGA | TCGACTGAGC | AAGTGGGGGT | 52620 |
| ATGTGACTGG | CAGCTGCATG | CACCAGTAAT | CAGAACAGAA | CAGGGATTTT | CACAGTGTTT | 52680 |
| TTCCATACAA | TGTCTGGAAT | CTATAGATAA | CATAACCGGT | TAGGTCGGGG | GTCAATCTTT | 52740 |
| AACCAGACCC | AGGGTGCAAC | ACCAGGCTGT | CTGCCTGTGG | ATTTCAATTC | TGCCTTTTAG | 52800 |
| CTTTTACTTT | TTCTTTCTTT | GGAGGCAAAA | ATTGGGCATA | AGACAATATG | AGGGGTGGTC | 52860 |
| GCCTCACTTA | TTCACCCCTT | TTGAGAATCT | CACTCATTAG | TGGGAGTTCT | CACTTTTATT | 52920 |
| CTCACTACCT | ATGTCTTCTT | GAAAGACAGA | TTGATAATGA | TTCATATAGT | ACACTTGTGC | 52980 |
| TGAAGCATTT | TGGTGAGCTA | AGGTAGTGAT | GAAGCTTTTT | ATCATTGGA | GAAGTACAGG | 53040 |
| TAGCAAACAA | GGAAGCAGTA | AGCAGGTTTC | TATTAATATT | ATAACTCCTA | TTATAAGAGT | 53100 |
| TTTAAATCTT | CTTAGCACTC | GGAACCATTT | TTCAAACATG | GCCCCAGAAA | CAAATCCATA | 53160 |
| CCACACCTAC | ATGGGCACAT | GTGCCACTTT | TGTCATATTT | CTAACTATGT | CTTCAACTAC | 53220 |
| TTGCCCTTAA | TCATCTATGT | GTAGACAGCA | ATTAGTAAGG | TTAAATTTCC | TACAGACCCC | 53280 |
| TCCTTCAGTT | GCTAGCAAGT | AGTCGAGAGC | CAATCCATTT | TGATAGATAG | CATTTTGCAT | 53340 |
| CTGAGTTTCT | TGCCAGGCCA | CAGTAGTCAG | GGCTCTGCTG | GTCTTATTAG | TAATTATTTT | 53400 |
| TAAGACAGCT | TGTAACCGTA | TGATTCAAGT | GAGCATGTAA | ATGGGGGTCC | CATATCCCCA | 53460 |
| CAAGCCGTCT | TGTGCCCAAG | TAGCAGGCCC | ATAATATTGT | ATGATTCTCT | CAGGGGGCCA | 53520 |
| TTCAATTATTT | TTCCAATTTT | CTATAGCTAT | GCTTTTTTTT | TTTTTTTTTT | TTTTTTTTTT | 53580 |
| TTGCGGGAAG | CATATACAGG | GAAGCCCAGG | AGTTTGCCTG | TCTTTATGGG | CAGTAGGAAG | 53640 |
| AAAGATGGTT | TAATAGTGTC | AATAACACAA | CTACCTGCCC | ACTGGTCAGG | TAATTTGGCA | 53700 |
| TAAGCTGTAT | GCCCACATAT | CCAGTATAAT | CCAGTGGGGG | CTGTCCAGTC | CCGGTGGGAC | 53760 |
| TCTGGGTGGG | TCCACACAGT | TTGCAACTTT | GGGAATTTAC | TAAATAGATT | TTTCTTAGTG | 53820 |
| TGGTTTGAAC | TCCACTAGGT | GGCTGTTTTT | ATAGTACTAT | TATACAGTTT | TTGCCCAAGG | 53880 |
| CAGCTGAGTC | TTCCCACAGG | AAGGGTGAAG | TCCTTCCCCA | CTTTTGCTAT | ACAGTATTGT | 53940 |
| CTAATGATTG | AGGCTTTTAG | GACCCAGAAG | TTATCAGGGT | GAGTCTTTTG | AGCTGGGAAT | 54000 |
| TTATCAGGAA | CTGGGTCTGT | AGGTACTAAT | TCTCGTGCTT | CCCATGGCCA | TTGATCTCCC | 54060 |
| ATTACAGTTC | CTCCACATAC | ATACATAACA | TGAAGTGACA | TTGAGAGACT | GGGCTACATG | 54120 |

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|-------------|------------|------------|------------|------------|------------|-------|
| CTCAGCTAAT | TGCAAAAACA | AATTTCTTGT | TTTTCTGGA | ATTTCTAGTA | CTGGCACATT | 54180 |
| CAGTTCATCA | TAAGAAGGTT | TGAAATACTG | GCTCAGGGGA | GCATTTATAA | ACTTCTCCTC | 54240 |
| AAACCACCAT | ATTTACTCAA | GGATCCAGTC | CAGCCCCAAC | TATTTCTAAG | GTTACACGAT | 54300 |
| CCCCTTTTTT | CCAGTGAGAA | TCAAGGGGGT | TGGTTATTAC | TAGTTCTAAG | GGGTTACACT | 54360 |
| GACCACTGGT | ACAGGAAGGG | CCACTTTTCC | CTTTCTGAAG | GTGGACAGGA | TTCTTTTTAT | 54420 |
| TTTTTAACCA | AGTTGCCTAA | ATGACACAAG | ACCAGTATCT | ACATTTATTT | CCACGCAGTC | 54480 |
| TTAATTCATG | ACAAGCGTAC | TTATTTTCTG | CCATATAGCC | TCTTTCCTAA | TGAACAGAAC | 54540 |
| CACATCCTAT | TTCTAACTTA | TTACTATTAA | TGACAGCACA | GGCATCAAAT | TTCAAGGTGA | 54600 |
| CTTGTTTGGG | CATTCCTTTT | TCTTCTGTTT | TGGCTAACAC | TTTACTCGTA | TCGTTTATGA | 54660 |
| ACCCCCACCA | GTCCTCAGTC | CTCAATCTTA | TTTCAAAAAC | TGTGGTCGTG | GGAGGCTCAG | 54720 |
| ATGGGTCATA | ACACACATCA | GGTTGGTCAT | TTCTTGGGCT | ACCTGCCTTG | TATAGAATAG | 54780 |
| CATTATACAA | ACAAGTTATT | TTTAGAGTCT | TTGTACACTT | ATAATAACCA | TAAAATAATA | 54840 |
| AGACTGTAGC | AACTTTTTGT | CCTACCTCAG | TGACTTGATG | TATACACTGG | GAACAGCCCT | 54900 |
| CAGTCTGAGG | AAGGTTAGTT | GAAGTCTTTA | CTGTGCAAGT | CCAAATTTTA | AGGAAAATGA | 54960 |
| GTCCCTTGAT | GAGTTTTCTC | ATGTTTCGGC | CATGCATGGA | CCAGTCAGCT | TCCGGGTGTG | 55020 |
| ACTGGAGCAG | GGCTTGTTGT | CTTCTTCAGT | CACTTTGCAG | GCGTTGGCGA | AGCTGCCACG | 55080 |
| TACAGCTCAC | AGTCTACTGA | TGTTCAAGGA | TGGTCTTGGA | AGTTGGGCCC | ACTAGAATTA | 55140 |
| ACTGAGTCCA | ATACCTCTAC | TCAGTCACTT | TCAACTGGGC | TTTCTGATAC | CAGGAGCAAG | 55200 |
| GTGGCAGGTT | TTAGGGTGTT | GCAAATTTCA | ATGGTTATGC | AGGGATTTTC | ACATAGCAAA | 55260 |
| CTTTGGTACT | TGGTTAATCT | AGCATTTGTT | AGCCAATGAT | GTATTTATTA | AAGTCACCAC | 55320 |
| AGCATGGAGG | GCCTTTAAGT | TTAGGTTTTG | TCCAAGAGTT | AGCTTATCTG | CCTCTTGTGC | 55380 |
| TAGCAGGGCT | GTTGCTGCCA | AGGCTCTTAA | GCATGGAGGC | CAACCCCTAG | AAACTCCATC | 55440 |
| TAGTTGTTTG | GAGGCCCAGC | CTCGGCCAGG | GCCCCACAGT | CTGGGTCAAA | ACTCCAACCG | 55500 |
| CCATTTTTTTC | TCTTTCTGAC | ACATAGAGTG | TAAAGGGTTT | TGTCAGGTCA | GGTAGCCCCA | 55560 |
| GGGCTGGGGC | CGACATGAGT | TTTTCTTTTA | ACTCATGAAA | AACTCATTGC | TGTTGGTTGT | 55620 |
| AATAGATGTA | GTTTATCCAA | TCTACATTTT | TATTAAGTGT | CACCCACCAA | AATATTGACT | 55680 |
| CAAATCCTGC | AGCTATTTGA | TTTTGGGATT | TAAATTGATC | TGCTATTCCC | TGTGGGACTC | 55740 |

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|------------|------------|-------------|------------|------------|------------|-------|
| CAATTGCATC | TAAATAGATG | TGAGAGTTGA | AAGACACATA | AGGGTCTTCT | CTTGCTTTAC | 55800 |
| GATGTCTTAT | TTTTCTCCC | TCTGGTTGAT | GAAATGCTAG | GGTGAAAGGG | ATAGCCAACT | 55860 |
| GGACTAAAGT | ACAAGTGCCG | CTCCAGTTAT | TTGGCAGAGT | GCCCAGTAAA | GGTCCACCAC | 55920 |
| AATACCACCA | CACATCCGCT | TGGGGATGAA | CAAAGGCTGA | CTGATTGAGA | AGCTCCTGAA | 55980 |
| AATTCTTAAG | CTCACTGCAT | CCCTTCAGGT | CTCCAAGGAA | TGCTAAGTTT | CCTCCCTGTC | 56040 |
| ATGAGAGACA | AGAAGTGAAC | TTAGTTTTGG | GAGATGGAAG | CTGGATGGCC | CTCAGGGGTT | 56100 |
| GACCTGCAGG | GTGCTGGACT | TTGGGATATA | GCAGAGAGAG | CTTGGCACGA | CTTATTACTC | 56160 |
| CAGGCTGTAG | CATCCTGGAA | AACAGTTACC | ATGCAGCCCA | TGCCTGGTCA | ACAGGAGGAC | 56220 |
| CACCTTAGTG | GAAAGGGGAT | AATCTGGCCC | TCTGGCCTGC | CATGTGCACA | AGCATAACAA | 56280 |
| TTGGTTTTGT | TTAATGTGTG | GACAGAATAT | TTGATCCATT | CCAAGTGGGC | ATTTGCATCT | 56340 |
| TGGTATCCTG | CTTAATTATC | AAAGTTTGTT | TTAAGTCTTT | AACTTCTATG | ACCCTCTAGT | 56400 |
| AAAATGAATG | TATGATTTTA | GGAAATTACA | AAAACCGGTT | GGGGCAGTCC | ATCCTCGCTC | 56460 |
| TTTAGTGGTC | CACACAACAT | TCGACCAACT | ATGGCATAAA | AGCTCTACAT | CAGGGGGCAA | 56520 |
| GACTCCTCGT | TGACACTGGG | GTCTTTATTG | AAATCTCTCT | GGATTAAATG | GTCTCAGTTT | 56580 |
| ACTAAGGCTC | AGTCTGAGGA | GAGTCAGGAG | GGACAGAGGT | ACTTTTCTGA | AGTACAGAGA | 56640 |
| TGTCTTCGAC | TTGGCAAGTC | CCCACAGGGT | ATAACAAGGC | AAGCATTAAA | TTCAATAGTT | 56700 |
| TGAGGCAAAA | TTGACTTGGT | TATGTTAATA | ACTAGATGGT | CAGAAATAGA | GTGAGGGAAG | 56760 |
| AAGAAAGAGT | AATAGAATAG | ATGAAGGAGT | TAAATTTTTT | TTAGCTTTAG | TTTGGTAGGG | 56820 |
| TTTTCCCTG | GGACTATGGC | CCATGACTCT | GGAGGGGGTG | GCACTTTCTT | GAFTCGGGTG | 56880 |
| TGATGAGTCC | ATCCCTTTTT | CACCGTATGA | ACAACAGTCT | CGGTGGTTAG | CAGCACAAGG | 56940 |
| TAGGGTCCTT | CCTAGGCTGG | CTCAAGTTTT | CCTTCTTTCC | ACCCTTTGAT | GAGAACATGA | 57000 |
| TCTTCAGGCT | GGTGCTGGTT | TACAGAAAAT | TCTAGGGGTG | GTACATGTGC | TAAAAGACTT | 57060 |
| TTAGTTTTGA | GGGAAAGGAA | AGTGGAAGAT | AAACCAAGTA | TATAACTTTT | AAGAAGTTGA | 57120 |
| CCTTTTGTTT | TAAATGTGGG | GACATCAGCA | GTGGACTTTA | TAGTCCTTGG | TGCCTTCTTA | 57180 |
| CTGAGAAATT | TCCTTTAGCA | CCTATTTTTA | TTAGTTTTTA | GACCAAAGAA | AGTCAAATGC | 57240 |
| CATTTTATAT | TTGACAACGC | TTCTTGATATG | TTTATACCAG | ATAAGCTAGA | TTTCACCTTT | 57300 |
| ATATTGGTGT | GTTATTAATG | TTAAACTTAG | TTTTAATAAA | ACTCTGTAGA | CATATTTATT | 57360 |

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| TGATTTTTTAA | TGTCTGACCA | TAAGGTAAGA | TTTTTATAGA | CTTTTCTTTA | ACCTTTTATA | 57420 |
| ATTTTTGTGA | AAGAACAGGT | TAGTGCTTTA | AGAAAAACCC | GTTGTGTTTT | TATTTTAATG | 57480 |
| TTCAGTTCAC | AGAAAAACTG | TATGATACCC | CTTAACCTTA | GCCAATATGT | TTAGACACAG | 57540 |
| AATTTTCTTT | ACAATTAAGG | TTTCAAAACT | TGCTTAAACC | TTCAAAACAA | TTTTTGTAAC | 57600 |
| CTTTTAATGT | AGGTAAAAAT | CCACATTCTT | ATGCATCCTC | ATAATCCTTT | TACCAAAGGT | 57660 |
| ATATTTTACT | TTCCTTACAT | ACCTTGCACA | TAAACTGTTT | ATTCAATAGT | TTTACATTTA | 57720 |
| GAAGGAGGCC | TAATTACTTT | TAAATTATAC | AACATTTCTT | GCATAAATTT | ATTTTTCTAA | 57780 |
| CACACATTTT | TTTCATGACT | TTCACAGACA | ATTCTTCGAC | ATGCCTCAAC | TTTCTGACTT | 57840 |
| ATTGCAAACA | TCCCTTTCTT | TAAACAATA | GTAAATTTAT | CTCAGGACAA | GGATTTTCCA | 57900 |
| TACAACATTC | TTTTTTATAT | AAATTCTGCC | TCCTCTTTAT | TTCTTTTTTT | TTTTTCCGAG | 57960 |
| GATGATAACC | ATTCTTTTCC | AAAGCGAACT | TCTTTTATGT | CTGTGGACTA | GA CTGTCTAA | 58020 |
| GGCCACAAGA | TTAGAAGTTA | CTATAATACA | TGTTACACTG | TTAACTTTTA | GCAAACCTTA | 58080 |
| CTTTTGTTGA | AAACCTTGTA | AGTTTGGGAT | TTCAATTATC | CTTTGCTATT | AATAAGACCT | 58140 |
| TATTTAGTCC | AAATTAACCT | AGAATTGGTA | TAGATGGCTT | TTTTTTTTTT | TTTAATTACC | 58200 |
| TGGGAGGAAC | CATCTATCCT | CCTGTCCTGA | AGGGAGTTCC | TCCTAGGTCT | GGTCAGAGCT | 58260 |
| TTGTATGGTA | ATTAAGATTT | AGATCCCCTG | TTAGGAAACC | TGCCGGGTTA | AGAGAATTTT | 58320 |
| CAGTGGTTAA | TGTTAAATCA | TCTTCTTTTT | TCTTTTTTCC | TTAGGATACT | TCTGAACCGG | 58380 |
| TGAGGTGTGC | TCACAATGAG | GTTTCCTGTA | AAAGTTATTT | TTTTACTTTC | TTCTGTTAGC | 58440 |
| AAAGCAGTTG | CCGCTACAGA | TTGAATGCAT | TTGGGCCATC | CGCGGGTTAC | TGGGTTAAGG | 58500 |
| ATTTTTGATA | GGAAGGCCTT | AATGCTTTTG | GAATATGCCC | TGACAACAAA | GTGCCAGTTC | 58560 |
| CTTCCCGGTG | TTCAGCCACT | GCGTTGATCC | TCCACGAGGG | CCTGCCACGT | GCTGCTCTGG | 58620 |
| TGAGGCGTTC | CACCGGGGCA | ATTGCCTACC | TGGGAGCGCT | CTCCAGATCT | GTGTCGCTCA | 58680 |
| AACTGGCTGG | AGTTCCCCGT | AGGGATGCTC | CACAGGGCAG | GCCTAAGTCG | CCTAAGGGGC | 58740 |
| TGCCTTGACC | GTCCGTTAAT | CACCTCTGTC | TCCAAAAACC | AGCTCCCTGA | GTGAGCAATT | 58800 |
| CCTGTCCCTT | TTAAGGGCTT | ACAACTCTAA | GGGGGTCTGC | ATGAGAGGGT | CGTGATTGAT | 58860 |
| TGAGCAAGCA | GGGGGTACGT | GACTGGGGCT | GCATGCATCA | GTAATCAGAA | CAGAACAGAA | 58920 |
| CAGCACAGGG | ATTTTCACAA | TGCTTTTCCA | TACAATGTCT | GGAATCTATA | GATAACATAA | 58980 |

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|------------|-------------|------------|-------------|------------|-------------|-------|
| CCTGTTAGGT | CAAAGGTCGA | TCTTTAACCA | GACCCAGGGT | GCGGTGCCGG | GCTGTTTGCC | 59040 |
| TGTGGATTTC | ATTTCTCCCT | TTTAATTTTT | ACTTTTTCTT | TCTTTGGAGG | CAGAAATTGG | 59100 |
| GCATAAGACA | ATATGAGGGG | TGGTCTCCTC | CCTTAATTTA | AACAAAATTT | TCAAAGTCCT | 59160 |
| ACCCCAAGTA | AATTGGCAAA | TATTAATAAA | GTTATGGCAT | AGAAAATAAA | AATGATTGTA | 59220 |
| AAAGGCGTAA | AGATATTTCT | GTGGGGAAAA | CATTTGTTCA | TTAGTTATCA | GTTAAAATTC | 59280 |
| TGTGAAAAAT | AACCACTAGA | GACCCTAAAG | TACCCAGGGG | CTAATAATAA | GAAGGGAGGA | 59340 |
| ACACCTCTC | AGTCCCCACC | GTTACCTCCC | CAGAAGGGAA | GAGGAAGAGG | GTGACTCCAG | 59400 |
| GAGAGCTGTG | GTCTCCCCCTC | CCCATATGTC | CACATATAACC | TGACCTCCCC | TCCCCAAAAT | 59460 |
| ATATACCCAA | TATCTCTCCC | ATATATACAT | ATTTATCTGA | CCTCTCCACA | TATGTATAACC | 59520 |
| TAAACTTTCT | CTATATATCC | ACATATACCT | AACCCTCTCA | CACACATATA | GCTGACCTCC | 59580 |
| AGTGGAGGAA | AATGGGGAAG | AGAGAAGAAG | TTATCAAAGG | ATAAATCTAG | GTCATACTCA | 59640 |
| GAAATGTGAA | AAACAAAAAC | CACACACAGA | AAAAAAAAAC | ACACACAAAA | AAGAAATTGA | 59700 |
| TAAATTTGTT | TGTGTCAAAA | TTAAGAATTC | CGGTTCAATG | AAGGATCCCA | TGGATAAAGT | 59760 |
| TAAGACACTG | CTGTAAGGAT | GGTAGAGAAT | TAAATGTCTG | AATCAGACGA | AAGGATGAGT | 59820 |
| AATTAGAATG | CACAAGGCCA | AGAAGAACAA | AACAGAAACT | CCACATAAAA | AATGTATGAG | 59880 |
| GCCGGGCGCG | GTGGCTCATG | CCAGTAATCC | CAGCGCTTTG | GGAGGCCAGG | GCGGGCCGAT | 59940 |
| CAGGAGTTTG | AGACCAGGCT | GGCCAACATT | GTGAAACCCC | ATCTCTACAA | AAAATACAAA | 60000 |
| AAATTAGCCG | GGCGTGGTGG | TGGGTGCCTA | TAATCCCAGC | TACTTGGGAG | GCTGAGGCAG | 60060 |
| GAGAATCACT | TAAACTCAGG | AGGCAGAGGT | TGCAGTGAGC | TGAGATCACA | CCATTGCACT | 60120 |
| CCAGCTGGG | TGACAGTGTG | AGACTCTGTC | TCAAAAAAAAA | AAAAAAATTA | TATATATATA | 60180 |
| TATATATATA | TATATATATA | TATATATATA | TGAAATAAAT | GAACAAGAAA | TTTAGATACA | 60240 |
| GGAAATCCA | AAGCACTTGG | TAATGAAAGA | AAGGTAAAGT | GATGTGTCCT | TTTGCATTTA | 60300 |
| AAAGAGAGCA | TTAACAAATT | AGAGAGCTGA | ATAATGCTCA | GTATTGGTGT | GGATATGGAG | 60360 |
| ACTCAGGAAT | CCTCATACAC | TGCTGATGGG | AGTGCCCACT | CCCTGGGAAT | ATTTTCCAAA | 60420 |
| TATCATCTCA | AACATATCCC | ATAAAGGTGA | CAGGAAAGTG | TGGGCTGACT | GATATCCTTC | 60480 |
| ACTGAGAGAG | GTGGAGGTAA | AATGAAGTCA | CTGCACAATA | TAGAGTTGGA | AGCAATGGAT | 60540 |
| TAGATGTCCA | CATAGTTACG | TGGAAGAATC | CGTAAGATAC | ACACACACAC | ACACACACAC | 60600 |

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|------------|------------|------------|------------|------------|-------------|-------|
| ACCTTTGTGT | ATATTGTTCC | TGGCAGGTAG | GCATGGAGGT | TTAGAGGCTT | TCTACATCAC | 60660 |
| ACCTACTGCA | CACAGTAAAT | GGCCAGGCTG | AGCACTGACT | TCCATGAAGG | GAGATTGAAG | 60720 |
| GTAAGAGATT | GAAGATTGTT | CCCTGGTCTG | GGACCCTGCA | ACTGAATATG | CAGAAAAAAG | 60780 |
| TACACCCCGC | CACCCCGCTT | CCCATCTTTC | CTACCTGATT | AGAATAGCTT | TTTCAGAAAA | 60840 |
| CGTTGGCCAG | GGGTTGTGGC | TCACACCTGT | AATCCCAGCA | CTTTGGGAGG | CTGAGGCGGG | 60900 |
| CAGATCATCT | GAGGTCAGAA | GTTCCAGACC | AGCCTGGCCA | ACATGGCGAA | ACCCCATCTC | 60960 |
| TACTAAAAAT | ATAAAAAATT | AGCAGGGCAT | GGTGGCACAC | ACCTGTCATC | CCAGCTACTC | 61020 |
| GGGAGCCTGA | GGCAGGAGAC | TCACTTGAAG | CACAGTGATG | GAGGTTGAAG | TTAGCTGAGA | 61080 |
| TCTTGCCACT | GCACTCCAGC | CTGGACAACA | GAGTGACACT | TTGTCTCAAC | AACAACAACA | 61140 |
| AAACCCACCA | AAACTTTAAA | TCTACCTATG | GCCAAATGCC | TGCTAAAATG | AGCACCCAAG | 61200 |
| AAGCAGTGTT | CAGGAAAGTC | AGATGAATAC | CCTAAAATTA | GATGCAATGT | TGGCTGGTCA | 61260 |
| CAGTGGCTCA | GGCCCTGTAA | TCCCAATCCT | TCTTGGGAGG | CCGAGGCGAC | AGATCGCTTA | 61320 |
| AGCTCAGGAG | ATCGAGACCA | GTCTGGACAA | CATGGTGAGA | CCGTGTCTCT | ACAAAAACGT | 61380 |
| ACAAAAATGA | GCTGGGAGTG | GTGGCGCACA | CCTGTAGTCC | CAGCTACTCA | GGAAGCTGAG | 61440 |
| GTGGGAGGAT | CTCTTGAACC | CAGAAGGCGG | AGACTGCAGT | GAGCAGAGAT | CATGCCACTA | 61500 |
| CACCCCAGCC | TGGATGATAG | AGCCAGACCC | CCATCTCCAG | AAAAAAAAT | AAAGAGAGAG | 61560 |
| AGAGATGCAA | TATTTAGGGT | TCAACAAGAC | TGAACTTCTG | ACTCCTTTCC | CTACCTCTCC | 61620 |
| AGCATGTTAG | ATTCTGGGTC | CTTCATCCTA | ACCCCTGTGT | CATGCCATAG | CCACCCTGTG | 61680 |
| GTACCAACTT | TGGAAGCCTG | GATCTTCATC | CCCTCATGAT | AATGAGTGTC | CCATTCAGGT | 61740 |
| CTCCATGCTC | AGCTTGGCAA | GAGTATCTGT | CTTCTCCTCA | TGGGACGGTC | ACATTCACCC | 61800 |
| AGCACTGACA | GGTTCCATTG | CCACTAGGGT | GGCACCTAT | ATGGTCTGAG | TCCAGGCCTT | 61860 |
| CCTGGTCCCT | CAGTAATCTC | AGCATGGTAG | CACAATCGAA | AAGGGCTAGG | CACGGCAGCA | 61920 |
| CCATTTCCCA | CCAAGAGGTC | TGATGGCTCA | TCACATAGAC | TGAAGGAGAT | TCTGAAGAGC | 61980 |
| AGAGGTGGAA | TGAAGAATGA | ATCCTGGGCT | CTGCTCTTCC | TAGGCCTGTC | TTCCTCTCTC | 62040 |
| CCGAGATGTT | AGCTAACTCA | TGAGAGCCAG | AAACCAACTG | CAGGCTGGCC | TCAGGCACCTT | 62100 |
| AGGTAGTGCT | TCAGCCTCAG | CAGTCCACAT | TCTAGGAACC | CTCATAATAT | GGGTTGAAGT | 62160 |
| ATGCATTCCC | ACAAAAATAA | AGTTGTTGAA | GTCCTAACCA | CCAGTACTGA | AATGGGAAAA | 62220 |

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|------------|------------|------------|------------|------------|------------|-------|
| GTTCCCTTGT | CCCGCTCGCA | TGGCATGTGA | TAGGAGTGTG | GCTAATTTCT | TCAGTGCCTG | 62280 |
| GCTGCTCAAA | CCTCTAGGGG | AACAGTAAGA | CGGGCAGGTT | GTGGGTCTCC | AACCCCATGA | 62340 |
| CCCCACCACA | GTGTCTAGGG | TTGAATGTTT | ACAGCTCCTG | AAGCCACAGT | GGGTGTGTGT | 62400 |
| TACAGGGTGC | TCTTTTAGTT | TTGCCATTTA | TAGGCAGCTG | GTGTTAACCA | ACTCAATTAG | 62460 |
| ACCGTCTACC | TTGTCCCAAG | GACAGAAGAA | GGCTTTCTGT | ATCCCAGGTT | CTTGCCTTGG | 62520 |
| TGTACCGGAA | TAAATCAGAC | CACACCTGGG | CTTAGAGAAA | GAGTGCAAGG | TTTTATTAAG | 62580 |
| TGGAGGTAGC | TCTCAGCAGT | TGGGCAAAGC | CAAAAGTGGA | TGGAGTGGGA | AAGTTTTCCC | 62640 |
| TTGGAGTCAG | CCACTCAGTG | GCCCAGGCTC | TCCTGCAACC | ACCCCAGTCA | AATTCCGCCT | 62700 |
| CATTTTGCCA | GGCAAACGTT | TGTTGTGTGC | TCTTCTGCCA | GTGTGCTCCC | CTGGACGTCC | 62760 |
| AGCTATTCGT | GTCTTGTTGG | AGGCCAGGGG | AGGTCTTGGG | AAATGCAACA | TTTGGGCAGG | 62820 |
| AAAACAAAAA | TGCCTGTCTT | CACCGTGGTC | CCTGGGCACA | GGCCTGGGGG | TGGAGCCCTA | 62880 |
| GCCGGGGACC | ACGCCCTTCC | CTTCCCCACT | TCCATATCAT | TTAAAGGGAC | CATGCCCTTC | 62940 |
| CCTTCCCAGC | ACTTTCCCCC | TCCTGTATCA | GGACCTGTGA | ATGTGGCCTT | ATTTGGAAAT | 63000 |
| AGGGTCTTTG | CACTTCATCA | GTTAAGATAA | GAGTGGGCTC | TAACCCAACA | TAAAGGGTGT | 63060 |
| CCTTATAAAA | AGGAGAAATG | TCATACACAG | AGACTGACAC | CTATAGAGAG | AAAATGTGGT | 63120 |
| GAGTAGACAC | AGGGAGAATC | ACCATTCAAG | TCAAGCAATG | AGTCTGGGGA | TACCAGAAGC | 63180 |
| TGGGAGAGAA | ACCTGGAACA | GATTATCCCT | CATTGCCTTC | AGAAGGAATC | AAACCTGATG | 63240 |
| ATACTTTGAT | TTCAGACTTC | CAGCTTCCAG | GACTGTGTGA | CGATAAATAT | CTGTTGTTAA | 63300 |
| GCCAACAAGT | TTGAGGTACT | TTGTTACTGC | AGCCCCAGAA | AACTAATACA | GTAGGTACTA | 63360 |
| TGGACTGAAT | TGTGACTCCC | CGTCGCAAAA | TTCATATGTT | GAAACCCTAA | CCCCCAGTGT | 63420 |
| GATGGTACTT | GGAGCTGGGG | CGTTTGGGAA | GTCATTATAT | TTAGACAAAC | TCATCAGGAT | 63480 |
| GTGTCTCTCA | TGATGAAATT | CATGCCCTTA | TTAAAAGAGA | CAACAGGCCA | GGTGCAGTGG | 63540 |
| CTCATGCCTG | TAATCCCAGC | ACTTTGGGAG | GCTGAGGTGG | ATGGATCACC | TGAGGTGGGG | 63600 |
| AGTTTGAGAC | CAGCCTGGCC | AACATGGTAA | AACCCCATGT | CTACTAAAAA | TACAAAAATT | 63660 |
| GGCCAGGTGT | GGTGGTGCAC | GCTTGTACTC | CCAGCTACTT | GGGAGGCTGA | GGCAGGAGAA | 63720 |
| TCCCTTGAAC | CCAGGAGGTG | GAAGTTGCAG | TGAGATCACA | CCACTGTACT | CTAGCCTGGG | 63780 |
| TGATAGAGAC | TCCATCTCAA | AAAAAAAAAA | AAAAAAGAC | AATAGAGCCA | GGTGCTGCAG | 63840 |

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|-------------|------------|------------|------------|-------------|------------|-------|
| CTGATGCCTG | TAATTCCAAC | ACTATGAGAG | GCTGAAGCAG | GAGGCTCGCT | TTAGCCCAGG | 63900 |
| AGTTCAAGAC | CAGCTTGGAC | AAAATAGTGA | GACCCCCAAC | TTCTAAAAAT | TTAAAAAATG | 63960 |
| AACTGGGTGT | GGTGGTACAC | ATCTGAGGCT | CCAGCTACTC | TGGAGGCTGA | GGTGGGAGGA | 64020 |
| TTGCTTGAGC | CCAGGAGGAG | GCTGCAGTGA | GCCATTGCTG | TCCAGCCTGG | GCTACACGAG | 64080 |
| AACCTGTCTC | GGGAAAAGGA | GAAAACAGTG | AGACCTCTTT | TTCTCTCCTC | CTTCTCTCCA | 64140 |
| CTGCCTAAGC | CCTACAAGCA | CAAAAAGGAC | ACCACATGAG | CACATAGTGA | GAATGCTGCT | 64200 |
| GCCACCAACA | AGTCAGGAAG | AGAGCGTTCA | CCTAGAAACT | GAATTGGCCA | GCACCTGGAT | 64260 |
| CTTGGACTION | TGAGCTTCCA | GAAGTGTGAG | AAAGTTATTT | TTTTTTTTAGC | GACTAAGTCT | 64320 |
| ATAGTATTTT | ATTACAGCAG | CTCAAGGTAA | CTAACATAGT | AGAAGGGATG | AATTATGGAG | 64380 |
| ATCACAAGTC | CACGCCTCCA | GAAAAAGACT | TCCCTAAAAA | TTAGTCTGAG | CAAAATTCGA | 64440 |
| ATGATGAATT | ATTTTTAAGA | ACTTTTAAGG | GATCTGACAA | GTTTGCAAGA | GCTAGAGAAT | 64500 |
| GCTTTACAAC | GTGATAATAG | AATGCTCTGT | GATGACAGAA | ATCTTTCCAC | ACTGTTCAAA | 64560 |
| ACTAGCTACT | GGCCACTTGT | GACTATTGTG | CACTTGAAAT | GTGACTGGTG | TCTGAGGAGC | 64620 |
| AGAATGTTTA | ATTTTACTTA | ATTTTAATTC | ATTACAATAG | CTACATGTAG | CTAGGGGCTA | 64680 |
| CTGGATTGAA | CAGCACAGCT | CGAGTCTTTT | AGAGGGAGAC | AGGACTCACC | AAGGTGGATG | 64740 |
| CTGGTGGCCA | AGCAGCAATG | GCAGGTAGTA | CACACACAAG | AGGCAGATGA | TACAACACAT | 64800 |
| CCTTCCCAAA | CCTGGAGATA | AGCTCACCCC | ACAATCCCGC | CGCTGAAATA | GAGTTGATGT | 64860 |
| TACCAATGTG | CATTTTTATG | TCCTTTTCCA | TACAGAAAGA | TCATTCAACA | AGTACTATGG | 64920 |
| TACTTAAAAA | ACAACATTCA | ATTCATTATT | ATGACAAAAT | TAAATTAATA | GCTCTTCCTT | 64980 |
| AAACTTTTAA | ATTCAATTTA | CAATGCTTAC | TATTGGCATT | TATTAATCTA | CCAATTTTTT | 65040 |
| CCCATAGAAC | CCATAGAACA | AATAATCTAC | CAAATTTTTA | ACATTCATTT | TTGGCAAGGC | 65100 |
| TTTTGCAATT | TGACGAACTT | TAAGAAGAAA | ACTTATAAAT | TGCAATTTTT | AAATCTGACA | 65160 |
| TACTGGACTT | TTAAAGTATC | CAATTGACTA | ATGAACAAAA | CTGCTCCAAA | TTTTTCAATT | 65220 |
| CTTAAAAATC | TTAAGACAAT | ACTTAATATG | GCAAATCTTA | ACTTCTTAAA | CTTTGTAAGA | 65280 |
| ATGCTAATCA | ACTTAGATTG | GTATAAAGTT | GAGTTAAAAA | TCACAGGATA | CATCATCTCA | 65340 |
| GCTATAAGTT | TTCATGAGTT | GAGTTTTTAC | AATCACTTGA | AATGCTTAGA | ATAGGAAATA | 65400 |
| CGTATAAATT | ATTTAACATA | AAATATTGTT | ACAAAACCTC | TGGAGTGTCA | GTTTCTCTGG | 65460 |

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| CCAGACTTTA | TGCTGCAGCA | CCTTTGCCTG | AGTTCTTGTC | CTGCATCCAG | GAAGAATTAG | 65520 |
| GTACAGAGGC | AAGAGTCAAG | AAGATTAGTT | TTCCAATAGT | TCAGCTCACC | TAGTTAACTC | 65580 |
| CTGTTACAA | TCTTCAAAGT | TATCAGAAAC | CTGCAATTGA | GGGTATAAT | CCATTCTTTG | 65640 |
| CAGAGTTTCA | AAACAAGACA | ACATTTGTCT | ATGAATGTTA | AAATGTCCTA | GGGTAGTCAC | 65700 |
| AGTCAAAAAC | ACAATTGACA | AAGAAATTTA | GTCACCTCTG | TGATTTACAA | TAGCCTAACA | 65760 |
| CAATAACTCT | AATTATAACT | GATGACACAA | ACTCAGATAT | CAGAACTCTA | GAAATCCCCT | 65820 |
| ATAATTTTGG | AACACATATT | CACAGTTTTC | ACTGAAATAT | GACCTGAAGA | TCAAATATCA | 65880 |
| CCTTATTTCA | ACAATCCTAT | ATAACTAAAC | GTGTCAAATG | ATCCTGTTTA | CCTCTCCTTT | 65940 |
| GGATACTCCA | GGGGCCCTCT | GTAGCATCCA | AAAGTTAGGG | GTTAGCAAAG | ACAATTTTGA | 66000 |
| AGCTGTAAAG | GCTCAAAACA | CTTAATGAAC | CTCTAGTCAT | ATCTGTTCTC | TACTCACTAA | 66060 |
| ATGCTAGTAG | CACCTCTCAG | TTGTGGCTAA | GCTGGGAGGA | TCTCTTGAGC | CTAGAAGTTT | 66120 |
| GGGGACGCAG | TGAGCTATGA | TTATGCCACT | GCACTCCAGC | CTGGGCAACA | ATGCAAAATC | 66180 |
| CTGTCTCAAA | AACAAAAACA | AAAAACAAAT | TGCCTATGCT | GTGGTTATCT | CACAATTAAT | 66240 |
| AAAAAGGAAA | AAAAAAGTAT | GCAGTCTTTG | TAGGTCTTTG | GGGTTTGTTG | GAACTCAGAA | 66300 |
| AACAATACCC | CAAAATAAAG | ACCGCAGAAG | CCAAAGTTTT | TCTCTGATCT | TCTCCTGCCC | 66360 |
| TCCTGTCTCT | GAGTCCCATT | CTCCCCGGAG | TCTAGCCATA | GAAATGAGAA | TTCCTCTTCC | 66420 |
| TCAAGTTAGG | TCATAGAAAT | CAAAACACCT | TTTCCCCAGA | GCCCAGCCAT | AAAACCTAAA | 66480 |
| AATATTACTC | TAACTTTCCC | TCTGTTTTTC | TGTGTAAAAA | CTGGCCATAA | AGAAATTATC | 66540 |
| TGAACTACCT | TATTTGATCA | TAGATCACCA | GACCGCATTC | CAGAGAGGAT | CCAGAAGGAA | 66600 |
| GGAATGCTGC | ACAGAGAGGC | CAAGAAGAAT | CTAGACAGAC | AGGCCTTGCT | GGGTTTCCCT | 66660 |
| ACTCTGTTTA | TTAGCAATCC | TATTTCTACA | CGGCGGCCCA | TACTTTGTTG | AATCTAAAAA | 66720 |
| ATAAAAATGG | ACAATTTCCC | CTGTACATGT | TAATACACAT | TAATAAATTG | GATATAAATT | 66780 |
| GGATAATTTA | TTAATATACA | CATTAATAAA | TTGGATGCAG | CCGGGTGCAA | TGGCTCACGC | 66840 |
| CTGTAATCCC | AGCACTTTGG | GAGCTGAGGC | GGGCAGACCA | CGAGGTCAAG | ACCACCCTAG | 66900 |
| CCGAAATGGT | GAAACCCCGT | CTCTATTAAA | AATACAAAAG | TTAGCTGGGC | GTGGTGGCAC | 66960 |
| ATGCCTGTAG | TCCCAGCTAC | TGGGGAGGCT | GAGGCAGGAG | AATTGCTTGA | ACTCGGGAGG | 67020 |
| CGGAGGTTGC | AGTGAGCCGA | GATTGCGCCA | CTGCACTCCA | GCCTGGTGAC | AGAGTGAGAC | 67080 |

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| TCCGTCTAAA | AATAATAATA | ATAATAATAA | TAATAATAAT | AATAATAATA | ATAAATTGGA | 67140 |
| TGCATTTTAT | CCTATTAATC | TTCTCTTGT | CGGTGGTTTT | CAGCGACTCT | TCAGAGGCCA | 67200 |
| AAGAGTAAGT | TTTCCCTTAG | CCCCTACAGG | TTCTTATGTT | TAATTTGTTA | CTCTCATTTA | 67260 |
| AGACATAATT | AAAGTGGCTT | CTCCATGAAG | ATTATTTCTG | CATCCATTAT | TTGGTAAGAT | 67320 |
| TGGCCGTTTT | CTCCTTTGAT | CTCTACTTCA | CACTGACCCA | CATAAAACAT | CACTGCCTGT | 67380 |
| TTTTTTGTG | TTGTTGTTTG | GAGACGGAGT | CTTGCTCTGT | TGCCCAGGCT | GGAGTGCAGT | 67440 |
| GGTGTGATCT | CCGCTCACTG | CAAGCTCCGC | CTCCCGGATT | CACGCCATTG | TCCTGCCTCA | 67500 |
| GCCTCCTGAG | CAGCTGGGAC | TACAGGCACC | CACCACCAAG | CCCGGCTAAT | TTTTGTATTT | 67560 |
| TTAGTAGATA | CGGGGTTTCA | CTTTGTTAAC | CAGGATGGTC | TCGATCTCCT | GACCTCGTGA | 67620 |
| TCGGCCCGCC | TCAGCCTCCC | AAAGTGCTGG | GATTACAGGA | GTGAGCCACT | GCGCCCGGCC | 67680 |
| CCGTTTTTTT | TTTTTTGGTT | TTTGCATGTC | TTCTCCCTTT | TACTGTAAAC | TATTTCCACT | 67740 |
| ACCAGCGTAG | TTATCATTTT | TACTGCTTAA | TAATTGTTTT | GGGGAAGTGA | ATGCATCAAC | 67800 |
| CCACATGAAT | TTCTTGCTTA | TTTGACAATT | TATTCTCTTT | AGGAATAGTA | TTAACTCCTA | 67860 |
| AGGTCTGGG | AGCCAGTCTC | TGTACTTGGC | TGCTCCAGGG | TCCTACTTCA | GTTTCCCAGC | 67920 |
| TTCTCAGTAC | TGTCACTGTC | AATTGTGGGT | AATAATTATT | TTTGTCCACC | AAAAGACTCT | 67980 |
| GSTATGTGAAT | GAGTTTTGAA | ATCTGCTGAG | TAATACAGTG | TCAACCCAGT | TAATGATTTG | 68040 |
| CCGGGCGGCT | TGATCAGGGG | CTGTCCAATT | ACCGGCATTT | TGATTTGGAG | CGTCATCTAG | 68100 |
| TGTCTGAAAG | CACAAACAAC | ATCCTACATT | GTAAATGCCT | TTGGCTACAG | AGATTGAAAC | 68160 |
| CAAAGCAAAC | CTATGTTTTG | AATTGTTATT | CTTCAGCAGT | TCTGCTAGCC | TTGAAAAATC | 68220 |
| TAAAAGTTAA | AAAAAAGCTT | TATATTTTCA | TTTCTGCCTA | AACTCTTTAA | AATTGCTAGT | 68280 |
| TGACAATTAG | ATATTTTCAA | TTTAATGAAA | TTTTTTTTTA | GTTTACAGAT | TAATACACAA | 68340 |
| TGGGGGAGGG | TTCTTATTCT | GTTGGACTTT | TACATAACCT | CCACTTTAGT | GCAGTCTGCT | 68400 |
| TTATGGGGTC | TTGTTTGAGG | TGTGTGTGTG | TTTAAGGGAA | TGTGGTTTAC | AATCAAATAA | 68460 |
| TTGGGTTGCT | CTTAGGCACA | TTGTAAAGTC | ACACACCTGT | ATTCTTATTG | ATACATAATG | 68520 |
| ATTAATAACA | TTATTATTAC | AGCCTGATCA | CCATCATTAT | TGATATATCT | AAATAATGAA | 68580 |
| TTTTATAATT | TTGCTTCCTG | TCAGGCAAGA | GCCAATTTCA | GTGCTACCAT | GTTTGTATAG | 68640 |
| CAGTATTTAT | GTCTGTCATC | CTCAGTCATT | TTACTTCACT | TGTTCTTAGC | CAAACGGCCG | 68700 |

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| AGAAGCGATG | GTCATTTTAC | TTCAAAAATG | AAAAGAATTA | ATATTTTTTAC | GTTTCCCTTA | 68760 |
| AAGACCCTAT | GTTTAACCTC | CACTCCCGGG | TAAAATGGTC | TAGTCCCTCC | TTTTCATATC | 68820 |
| ATCTCTGATA | TCTTTTGCAC | AGCCACTATT | ACCTACCGTT | TTCTAGATCC | CTATTCTTCA | 68880 |
| AACACCACCA | TGAAGGTAGA | GCCTGTCTGA | ATTATTTTCT | TGTCCCGTGA | ACTCAGTACA | 68940 |
| TTGTTAGGCT | TCTTGAAGAT | GTTGATCAGT | TGTTTGTGGA | GTGAATGAAT | CAGCTAGCAT | 69000 |
| GATTTTTTCTA | GACCACTGAG | ACAAGTGTCT | AAGACACTTG | TTCCTTCCCA | TGTTCTTGCC | 69060 |
| TGCCTGTGCA | ATCCATGCAG | TCTCATGGCT | TCCCAGTGCC | TCAGAATTAT | CCCCTGTCAA | 69120 |
| ACAGGCATTA | TAATTTCTGT | CCACTGAAAA | GGACAAAAAA | CTAAGTGTAT | AGCTAGAAGT | 69180 |
| TAAAAATTAC | CGGCCAGGTA | CTGTGGCTCA | CTCCTGTTAT | TCCAACATTT | TGGGAGGCTG | 69240 |
| AGGCGGGCAG | ATCACCTGAG | GTCAGGAATT | CGATACCAGG | CTGGCTAACA | TGGCGACCCC | 69300 |
| GTCTCTATCA | AAAATGTAAA | AGTTAGCCAG | GTGTGGTGGC | TCGCACCTGT | GGCCCCAGCT | 69360 |
| ACTCAGGAGG | CTGAGGCAGG | AGGATCGTTT | GAGCCCTGGA | GGTTGAGGCT | GCAGAAAAAT | 69420 |
| AGGAATATAC | TCTCTTTCAA | GAGTTCGTGG | TTTTGACTGC | CACCTAGCGT | ACATCAGAAA | 69480 |
| AACCGCATGA | CATAGGAAAT | GCCTGTGACA | GAGGGGTAAG | GTGAGAGAGG | TTGATGAAGA | 69540 |
| ATGTATTGAA | GGAGTGAAAA | CGCTTCCATC | CCTCTACTTA | CTAAATATAT | TAGTTAAGTA | 69600 |
| GTTGGGGCAT | ATTTTAATTC | ATGCATTTTG | TAGATAGAAA | AACAAAAGTT | TTATTCTGTT | 69660 |
| TGATTTAGTT | GATACTTTAA | TATGTGTGTG | TTTAGGATGC | ATGATTTATA | ATCAGTCTGC | 69720 |
| AGCACTTCTT | GGAGAAGTCT | GAATTCTCAT | TCTCCATTTT | CTTATTGGCA | ACGTGAGAAT | 69780 |
| GATTACAATG | GTGGTTGTCT | CATAGAATGC | AGGGAGTCAG | AATGAAAATA | GTCCATATAA | 69840 |
| TGCCTGGTGC | AGAGGAAGGG | TTCAGTTAAC | TGTCTGTATT | AATATTACTG | ATAACAGTCA | 69900 |
| TGACAAACAA | AAGCTTAACA | ACAACACCAC | CAACAACAGT | TGCAGAATTG | AGCCACCAAT | 69960 |
| TTGCACACAA | GATTGTAGGT | AGGATGTTTT | AGAAAAGTTA | TTATTTAATA | TATGTATATA | 70020 |
| TTTTTGTACT | TAAAATATGT | CAGAGGTTGT | TCTAAGAACT | ATTTAAATGT | TAACTCCTTA | 70080 |
| ATCCTCATAA | TGACCCATGA | AACAGGTAGG | CTTATTATTG | TCTCTTTACA | TGTGAGAACA | 70140 |
| CTGAGACACG | AAAAGGTTTA | TTAACTCACC | CAAAGTCACA | CAGCTGGTAA | AACGGCAAAA | 70200 |
| TTGAATTTGA | ACTCAGACAT | TCCAGGTTCC | AAGACAGTCT | AATTATTCTT | TTGACTAATA | 70260 |
| TACTAAGCTG | CCTCTGTATT | TTTCCTTGAT | TACTTTGTAA | AAGTATGAGG | AAAATATAAG | 70320 |

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| TGCTTCAAGT | AACCATGAAA | AATATAAACA | ATCTATGTAT | CAACTGAAGC | ATAATTACAA | 70380 |
| ATCCTTTGAT | AAGCAAACAT | AATAAAAAATT | TGATATCAAT | CAAAACTTTC | ATGTAATGTA | 70440 |
| AGCAGGTTGA | GATGAATTCT | ATAGTAAAAA | AGTGCAGAGT | GCTGGAATAC | CATGCTCCTA | 70500 |
| ATATATTGGC | TAGGCACACC | TGCCTGCTAT | CAAAGGTATG | CACACACCTT | GGATACAGAA | 70560 |
| AGTTGGGACT | GGGTAGTTAT | GTGAGTGTC | TCAGAATTCT | TTCCCACTTG | GGAAAGAATT | 70620 |
| GTCCATCATA | AGCTTGGATG | ATGGACAAGG | AGTGAGCTCC | CAGAACAGTG | ATGTGGGGAT | 70680 |
| ACATCCTCAC | ATCACAGTGA | GAATGAGTGT | TCTAGACTGT | TTACACACCT | ACCACTCCTA | 70740 |
| AATGCACACA | TATAATTGCT | TGCACACACA | CACATACACA | CTCATCTCTT | CTCTGGTGGT | 70800 |
| CCAGCTCTAT | CTCTTATCAT | TAGGCTTCTT | GGGGCTAGTA | CCTAGGGCCT | GTATCCTTTC | 70860 |
| AGAGGCAGCT | AAGGGAAGCA | CACATAATTA | GAAAGAATGA | ACCAGCTTGT | TGGATTTGGT | 70920 |
| CTCTTCGCAT | CCAGCCCTCC | AAGTTAAGGA | GAGTACCATC | TTTCTTAGGG | TCACCAAAGG | 70980 |
| AAAAAAAAAA | AAAAGAAAGA | AACAGAAGGA | TATCATACAG | CAAGGATCTA | ATGCAAATAT | 71040 |
| GCCTCAAATG | AGAGGCTACT | GTGTGCTGAT | CCCAATCCCA | GGAAGTGTAT | GCACATTATC | 71100 |
| TAATTTAATC | CTCACTGTAT | TTCTGGGAGT | ATTATTCCCA | TTTTACAGAG | AAGGAACTTG | 71160 |
| GCAGGGTAAC | CAAGCTCATG | AATGGAGAAA | CTGGGATTAA | ATATAAAGCT | TCCTTGCTCC | 71220 |
| AGAACTGCTG | TCTTTCTGCT | CTTCCACACT | ACCAGCTCAG | CTGTGCTCTC | TACATGCAGG | 71280 |
| CAGTTTTACA | AGTTTCAGAT | TAGCCTGGGA | CTTCCAGGGT | TTTGAATGGG | TTAGGGAATG | 71340 |
| GGGAACTTTT | GGGTTTACTT | TCCATTTTTT | CTTCATACAT | ATGTAATATA | TAACATAAAT | 71400 |
| CTATGGTATA | TATGATAAAT | ATATGGCTAC | ATATGAACTA | TATAATCACA | TATATGCATT | 71460 |
| ATAAATAAAT | ATTAATTTTA | TAATATTTTA | AAGGTTATCA | AATAAATATT | AATATAAATA | 71520 |
| ATTAAATAAT | TAATACTCAG | CTTTGTTTTT | CAAAGTGATA | AATGCCTATA | TTTAGCAAAA | 71580 |
| TATTTTTTGG | AGGCCTGATA | GTTTTTAGGA | GTGTAAAGAA | GTCCTGATAT | CTAAATGTTT | 71640 |
| AAGAACCACT | ATTTTAGGCT | GTTGTCTTCT | GTCTTATTTT | CCCAGCTAGA | CTGGTAAATA | 71700 |
| CTTGAAGGCA | AACGTTTAGC | CAGCACATTA | ACATTTTATG | TTTTTATTCT | TTTGTGCTCT | 71760 |
| CAGTGGCTGT | GTCTTTTCTA | TCGATTTCTC | ACACTGTATG | ATGGTTATAT | TTGTCTGTAT | 71820 |
| CTGTCCCACC | AGGTATAAGT | TCTTGAGAGG | ACACACTGCT | AGGCTGATCT | TAGTTTTTAT | 71880 |
| TATTTCTCCT | GGTGTCTGT | GCTTAACAAG | TGCTCATTA | GTGTGTAAAA | ACACAGCACA | 71940 |

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| GTAAAAAACT | AGACATTAAA | AAATAATGTC | AACCAATCTA | TTGAAATTTG | CATTTCCATG | 72000 |
| TTTCTTCCAA | TATAGTCATT | GTGTCAGGTT | ATGTACTTAT | TCTGATGAAG | ACTATTGCCT | 72060 |
| AATATACGTT | TGCATCTTGT | GCTTTATAAC | TGCCTTCATA | TAGACACAGA | TTGAGAAGGT | 72120 |
| GTAAAAATGT | GCATATCCTC | ACAATTGACA | AATTCTTATC | CTTTGAGGGT | AGGTTTGACT | 72180 |
| TTCTGAAATG | CTTTGACATC | ATTTGAAAGA | AGCTTGAAGA | ATAAGATAGC | TGTTAATGAC | 72240 |
| CCAGTTTCCT | ATGTCACCTA | TACAATTATA | ATGGCAATTT | CAAAATGTTA | GGTAAATATA | 72300 |
| TTTTGCAATA | TATTGTTCCCT | TTTGTAATAC | TCTCTATGTA | TTTATTTATA | TTTTTAAATT | 72360 |
| TTATATTTAT | GTATTTATTT | TTCTGGACAG | AGTCTTGCTC | TGTTGCCCAG | GTTAGAGTGA | 72420 |
| AGTGTTGTGA | TCATAGCTCT | CTGCAACTTC | AAACTGCTGG | GCAAAAGTGA | TCCTCCTGCC | 72480 |
| TCAGCCTCAT | GAGTAGAGTA | GCGGGAACCTA | CAGGCGCATG | CCACTGCACC | CAGCTAATCA | 72540 |
| CTATTTATTA | TGCTCCTACT | GTGTGCTTTA | GTATATTTTC | TGTTGTTTTC | TGCAACCCAT | 72600 |
| TTTGAGGGCG | TGTTAGGGAA | TACAGATGCA | GTAACTTTGG | TCTCAGCCCT | TGAGGTGAGG | 72660 |
| AAATATTTAG | CCTCAGGTTT | AATCTAATTG | TTGGCCATTT | GCCTTCAAAG | ATTGAAATAT | 72720 |
| GAGCAAAACT | GTGGCTCTGG | GTTATATGTT | AAAAAAAAGT | TTATGGGGCT | GAAGCCAGGC | 72780 |
| AACAGACAAG | AGCCCCTACA | ATCTTATTTA | GGCTGAAAAT | ATCCTGGAGT | CCCTGTATTG | 72840 |
| TTGGTCTCAA | GCAGATAGCA | ACACTAACAC | TTACTCTTTG | AGGCAGGCAC | TGCCAGTGGG | 72900 |
| GTGGCTGTTA | TTATTAGCTT | CATTAATTGG | TGAGTCAGGA | AAAAACAGCT | TTAAATCATT | 72960 |
| CAAAGTTCTG | GCCTATACAG | GATTTAGTAA | TATTAGGTTA | GCTACATCCA | AAAGATGACA | 73020 |
| GAACCCCTACT | CTAAGGCTGG | GCTTGGTGGT | TCACACCTAT | AATCTCAAAA | CTTTGGGAGG | 73080 |
| CTGAGGCAGG | AGGATCACTT | GGTGCCAAGA | GTTTGAGACC | AGCCTGAGCA | ACATAGTGAG | 73140 |
| ACCCCTGTCT | CTATCAAAAA | CAAAGAACTC | TAATTGGCAT | AGTAGAAGGA | AAAAGTGAAA | 73200 |
| GAAAAACCAG | CTGTCACCTT | CATTCCCTTAC | ACCTGTCCTA | ACAACTCCTC | TCACTATCCT | 73260 |
| TTGAATATAT | CTTGGCTGTT | TGAGTCTCTC | TCTAGCCCCA | TTACTGCTGT | TTGGACTTGA | 73320 |
| CATTTTGCTC | TGCATTTTTA | ACTTTTCTAC | CAGGGTTTCC | AGACCCTGAA | GAGTGTGGCA | 73380 |
| TGAAACAAAA | CTAGTCAACC | TATAATATTT | ATGATGTGTG | TGTAAATAAA | AGAATACACA | 73440 |
| ATATATTGCA | TTACAATATT | TTAACTGTGT | CCTCAATTTG | TTTGTGGCTT | TCTTGAGGAC | 73500 |
| ATCAGTTTTG | GGTGGGACGA | CCACATCCTT | AATCTGAACT | TTCCCTTGGA | GGTCATTCTT | 73560 |

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| TTTTTTTTGA | AATAGAGTCT | CGCTCTGTCA | CCCAGGCTGG | AGTGCAGTGG | CGCAATCTCA | 73620 |
| GCTCACTGCA | ACGTCCGCCT | CCTGGGTTCA | AGTGATTCTC | CTGCCTCAGC | CTTCCAAGTA | 73680 |
| GCTGGGATTA | CAGATGCACG | CCACCATGCC | GAGCTAATTT | TTGTATTTTT | AGAAGAGACG | 73740 |
| GAATTTCAAC | ATGTTGGTCA | GGCTGGTCTT | AAACTCCTGA | CCTCATGATC | TGCCCCACCTC | 73800 |
| AGCCTCCTAA | AGTGCTGGGA | TTACAGGCGT | GAGCCACCCC | GCCCCGCCAG | AGGTCATTCT | 73860 |
| AATAGACTTT | TTTTTTGTTG | TTGCTCACAG | GCTTGTTCAA | TCTTATTTCA | AAATTTGAGA | 73920 |
| AATACAGTTT | CCATGGAACA | CCAACCAGAT | ATCAGGTTGC | TATGGAGTTG | ATAGTCAAAA | 73980 |
| GCTTTGTATC | TTCCAGTTTT | TCAGAATGGC | TTCTAAAGGT | TCTGATTGAG | AGCTCTTAGG | 74040 |
| CGAAATTGAA | CAACCAAGTG | TCAAAGTACA | ACATTCAGGA | AGTTAAAAAC | ATGACTGACA | 74100 |
| TATATGTACT | ATATATAGTG | AGCTTGTGTA | TGTGTCAATG | AATGATTTAA | TTCATTAATG | 74160 |
| AAGGAGGAAG | CAGAATCACA | ATTAGGTCAA | AGGAAGATAC | GGGAGAATAA | AATATGTATT | 74220 |
| TGGTCAGGGA | AAGGATGTAT | ACTGGAAGAG | GAAGGGAAAA | TCAGATATAA | AGTTGTTTAA | 74280 |
| TGACTTATTA | GGCAATACAA | TAATAACTTT | TAGGGTCATT | TTTTCTATAT | TAAGAATTCA | 74340 |
| TTTCCATCTC | TATGACAAAA | TCCTTATTAA | TTTATTAAAC | TTCTACAAGT | GAATGTTTAC | 74400 |
| TTTTAGATAG | TCTGGACCCA | ATAAAATGTA | AACATTAAGT | CAGAGTTACT | TTCACGTAGG | 74460 |
| ACAGTGTGTT | CCAATAAGGT | ACCACTAGCT | ACACGTGATC | ATTGACCATT | TGGACTATAG | 74520 |
| CTAGACTGAT | TTAAAATGTT | CTAAAAGTGT | AAAATACACA | CCAGGTTCTG | AAGATTTATC | 74580 |
| ATTTAAAAAA | GAATGTCAAC | TGTCTTTTTT | TTTAGCTTAT | TTATTATATG | TTGAAGTGAT | 74640 |
| AATAGTTTAG | ATATATTAAG | TTAAATAAAA | TATCTTAAAA | TTAATTTTAC | TTGTTTCTTT | 74700 |
| TCATTCTTTC | AATGTGACCA | CTAGAAATCT | GGAAAGTATT | TATGTGATTC | ACATTCTATT | 74760 |
| TTACTGTCTA | GTATTGCCTT | ACATCATCAG | GTACCCCATTA | AGTAGGCTTT | TTAGATAATT | 74820 |
| CTCTAATATA | GCTTGGAAGG | ATATGGAGAA | ATATTTTTGC | GTTGCTTTTA | AGTTTTGCAT | 74880 |
| AACTTTTTCA | ACACACTTTA | TAAAGGATCT | AGAAAAGGGT | TGGTTACATG | TTTCTCTGTC | 74940 |
| TTCTGGCCTC | CACCATGTTG | CCAGGAGGTT | GGGGACAAGA | TTCTGGGTGG | CTGGATGTCC | 75000 |
| TAATGGCTTG | AGGTCTGGAC | TTGAGATTTG | CATATAAAGA | GATGTGATTA | GATTGAGTCG | 75060 |
| ACTAGAAAAA | TCATATTAGA | GAAGTGAATC | ACAGCGATTA | AATTTACATG | TCGATTTATA | 75120 |
| AACCAGGACA | CCAATTTATA | GTGAAAGAAG | GTCCAGTTAC | CTGGTAATCA | AGACGTTTCA | 75180 |

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| TAGCTATTTT | CATGATGGAT | ATACTTAGCT | GAGTTTTTAA | TGAGAAGGGG | GTTCATTGCA | 75240 |
| CATAGAATAA | GATCTAAGTG | AAATGTTTAT | TTATTTTTTT | TTTTTTTTGA | CATGGAGTCT | 75300 |
| TGCTCTGTTG | CCCAGGCTGG | AGTGCAATGA | GGCAATCTCG | GCTTCTGGAG | TGCAATGAGG | 75360 |
| CAATCTCGGC | TTCTGGAGTG | CAACGAGGCA | ATCTCGGCTC | ACTGCAACCT | CCACCTCCCG | 75420 |
| GGTTCAAATG | ATTCTCCTGC | CTCAGTTTCC | TGAGTAGCTG | GGATTAGAGT | TGCCTGCCAC | 75480 |
| CACGCCAGGC | TAATTTTTGT | ATTTTTTTTA | GTAGAGATGG | GGTTTCACCA | TGCTGGCCAG | 75540 |
| GCTGGTCTCG | AACTCCTGAC | CTCAGGCGAT | CTGCCCCGCT | CAGCCTCCCA | AAGTGCTAGG | 75600 |
| ATTACAGGCG | TGAGCCACCA | AGCCTGGCCT | AAGTGACATG | TTCTTATATT | GTTCTTTTCT | 75660 |
| TTCTTTTTTT | TTGACTGAG | TCTCACCTG | TTGCACAGGC | TGGAGTGCAG | TGGCGTCATT | 75720 |
| TCGGCTCATT | GCAACCTCTG | CTTCCCGGGT | TCAAGCGATT | CCCTTGCCCTC | AGCCTCCTGA | 75780 |
| GTGCCACCAC | CCCCAGCTAA | TTTTTGTACT | TTTAGTAGAG | ATGGTGTTTC | ACCATGTCCG | 75840 |
| CTAGGCTGAT | CTCAAACCTC | TGGCCTCAGG | TGATCCGCCC | CCGAGTCTCC | CAAAGTGCTA | 75900 |
| GGATTACAGG | CGTGGGCCAC | GGGGCCCAGC | CTTATATTAT | TTCTTTTACT | ACAATATATT | 75960 |
| AGTATGATGC | AGGTGCTTCA | ATTGTTTATA | CACTTTCCAT | AATTTTGTAT | AATTCTTATA | 76020 |
| CCCTGTCACT | CTGAGGAATA | GCCGGTCTAA | GTGTTTTTCC | ACCACTGCTA | ATTCATCCAT | 76080 |
| CACTAATCTC | ATTAGACTGT | TAATTCCCAG | AGGACATAAG | CACACAAGCA | GACAATGTTT | 76140 |
| ACAAATGTTG | GACAAATGTT | ATTTAATAAA | ACAATGGGGT | CACCCTTAGT | CTAAAAGATG | 76200 |
| TTTCACTTTT | CATTTGTCAT | TGAACTCTTA | TTTGTAGGTT | CCCTTTTGAC | TTTCCCACAA | 76260 |
| TCTAAGGCTG | TTCTCTTTAA | CACATATTTT | CATGAAAACA | TATATTTGAG | CAGAAATTGT | 76320 |
| TGGGGAGTTG | TAATATTACC | TTTGTCCCTA | AATATGAATC | TATAATTATA | TCAAATATAT | 76380 |
| GGGCAGACAA | TTTACTTTGC | CTTTAATCTC | AAGAAAAAAA | TAGCAATTAC | TTGGGGTCGG | 76440 |
| AGAGTAAAAT | AAGAAGTAGT | GAACCTTAAA | GTAGCAAACCT | TTAGAACAGA | ATAGTTTCAG | 76500 |
| AGGGGATGAG | AAGAGGTGAT | TTTTTCAGCTC | ATCAACAACA | GATCTTATAA | TAAATTACAT | 76560 |
| GTTCTGGTAC | TTTTCTTGTC | TTTCTGTGTT | AAATTTTGCT | ATTTAAAAAA | ATAAATTTCA | 76620 |
| AATACATTGT | TCATCTTAAA | AGTCAAGAGT | GTGTTTTATT | AAAGTCAGTT | GCTTTATTTG | 76680 |
| CAACTCAAAA | GATATATTTG | AGTTCCCAAC | TGGAGATTGT | CCTATATGGT | AACTTGCGTA | 76740 |
| AGGTATGGTT | ACTGAAAGTA | ACCTACAATT | TTCATGGGCT | GAAATTCATT | TCTATATTGC | 76800 |

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| AGCGTACAAA | AATAAATAAA | TAAAAAATGC | TTGTTTTCTT | TGAAAACATA | TTATCTCAGT | 76860 |
| GCCTCTAACT | GCCAAATCTA | TTGGCTTTTT | TGCAGGCTTA | AGGGCTCTCC | CTTGTTCCCTT | 76920 |
| TATGATCTCT | ATCTTGAGGG | CCAGACCTCC | TGCCTTACAC | AACTCAGAGG | GGGACCTCAG | 76980 |
| AGCTCTTTAA | AAAGAGCCCA | ATTTCTCGCC | TGTAGAGAAG | TGAAAAGGAT | GCCCCACCCC | 77040 |
| CATCTATGAA | AAGAGGGATT | TGATAGTTTC | AATGTCTTCA | AATCAAAGAT | TTAAGTCTGT | 77100 |
| AGCCCCCACC | CACCCCGGAC | CCTAGCAAGG | CTCATGAACC | CCCTCCCATC | CCGCCCTAAT | 77160 |
| TGCTTTGGAC | TGGCCGTGGA | ATCCTTGTCC | CAGTCCACAG | TTCCTGTGCG | ACTGCACGAA | 77220 |
| GAATTCACAG | AGGACCTGTG | TTACTTCCCT | TGTGAAGAAA | CAGAATTATC | ATGAAAATTT | 77280 |
| AGGTGGAAAC | CATTTTCGCTT | TTTTCTTCAA | AAATAAGGGA | AGCATGTGCC | CAACCACCCC | 77340 |
| TGGGAAAAAG | AACCTTCAGG | GGCAAAGGAG | CGAACAGGTA | ATTTATAAGA | AAAACAGAAA | 77400 |
| GTGGTCTCTG | ACTGCCCCAG | ACTTCCTTCG | GAGTTGGGGG | AATTGGGGAC | GCCTGGACGC | 77460 |
| GTTGTTTTTG | CGTTTGTGGA | AAAAATAAAT | GAAGAGCATG | AAGCCCGAGG | CTTCTGAGAT | 77520 |
| CCTTTCCTGA | CCAAACCCAA | GTGATTTGGT | GCGGGGAATT | TTAATATTTT | TCCCCTTTTG | 77580 |
| TGAGGTGGAA | CAAACACAAC | TTGGGAGCAG | CGCAGCGGCT | CAGAGCCTGC | CAGCCAGGCG | 77640 |
| GGCGACCAGA | GCACCAATCA | GAGCGCGCCT | GCGCTCTATA | TATACAGCGG | CCCTGCCCAG | 77700 |
| ACGCTGCTTC | ATCGGCGCTT | TGCCACTTGT | ACCCGAGTTT | TTGATTCTCA | ACATGTCCGA | 77760 |
| GACTGCTCCT | GCCGCTCCCG | CTGCCGCGCC | TCCTGCGGAG | AAGGCCCTTG | TAAAGAAGAA | 77820 |
| GGCGGCCAAA | AAGGCTGGGG | GTACGCCTCG | TAAGGCGTCC | GGTCCCCCGG | TGTCAGAGCT | 77880 |
| CATCACCAAG | GCTGTGGCCG | CCTCTAAAGA | GCGTAGCGGA | GTTTCTCTGG | CTGCTCTGAA | 77940 |
| AAAAGCGTTG | GCTGCCGCCG | GCTATGATGT | GGAGAAAAAC | AACAGCCGTA | TCAAACCTGG | 78000 |
| TCTCAAGAGC | CTGGTGAGCA | AGGGCACTCT | GGTGCAAACG | AAAGGCACCG | GTGCTTCTGG | 78060 |
| CTCCTTTAAA | CTCAACAAGA | AGGCAGCCTC | CGGGGAAGCC | AAGCCCAAGG | TTAAAAAGGC | 78120 |
| GGGCGGAACC | AAACCTAAGA | AGCCAGTTGG | GGCAGCCAAG | AAGCCCAAGA | AGGCGGCTGG | 78180 |
| CGGCGCAACT | CCGAAGAAGA | GCGCTAAGAA | AACACCGAAG | AAAGCGAAGA | AGCCGGCCGC | 78240 |
| GGCCACTGTA | ACCAAGAAAG | TGGCTAAGAG | CCCAAAGAAG | GCCAAGGTTG | CGAAGCCCAA | 78300 |
| GAAAGCTGCC | AAAAGTGCTG | CTAAGGCTGT | GAAGCCGAAG | GCCGCTAAGC | CCAAGGTTGT | 78360 |
| CAAGCCTAAG | AAGGCGGCGC | CCAAGAAGAA | ATAGGCGAAC | GCCTACTTCT | AAAACCCAAA | 78420 |

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| AGGCTCTTTT | CAGAGCCACC | ACTGATCTCA | ATAAAAGAGC | TGGATAATTT | CTTTACTATC | 78480 |
| TGCCTTTTCT | TGTTCTGCCC | TGTTACTTAA | GGTTAGTCGT | ATGGGAGTTA | CTGAGGTATC | 78540 |
| AGAGACGAAT | TGGGTGACGG | GGTTGGAGAG | TGGCCGTGGT | GAGGTTACAG | CATTTAAACC | 78600 |
| TTTATTGCGG | CTTCTAGGTC | CCTGACCGGA | GGCTTTTCTC | GCTGGCGGAT | GGTTTTGGGA | 78660 |
| TGGCAGTCCC | GCCCCAGGCC | TGTGAACGGC | AGAAAAGACC | GCAAAACAAG | AGCCAGTTTC | 78720 |
| TTAGTCTAAA | GGGATGTCCG | GATTGGACTA | AAAAATTTTC | AAAAGTCCCG | CCCTGCTCCC | 78780 |
| GGGTTGGTCC | GTTCTTCTAG | TACATGACTT | TCATTCTGTA | TTTAATTGGA | TGGTGGAAGA | 78840 |
| CGTTGCTTAT | TCTGTGTTTT | TTGCTTTACT | GTGACTTAAA | AGTTTTGCCT | CTTTTCTCTT | 78900 |
| TATATTAATG | TCTGGGATTT | CGGACGCTTT | CCATGTTGTT | GGTAGTCAAG | TTGATGTCTC | 78960 |
| CTGGAGGTAG | TGGCAACATC | CAGCCCTGGG | AGGAGAGTGC | GTGCAGGTAC | CTTTGTCCTA | 79020 |
| CATTCTCTG | CTGTTAATTT | CTCATTCTG | TGGCAACGAA | GGAATGCATT | TAAAAACAG | 79080 |
| CCACAACAGC | GGCAATAGCC | CTTCCTCCAC | CCAAGGCAAT | CGTGGACCTA | GGGAGTTTTT | 79140 |
| TGTGCCACAT | AACATGTAGC | CTTCGCTAA | ACTGACAGGT | TTGAGCGTAT | CGATTTTGAG | 79200 |
| CGTATCGAAA | GCACAACTTT | TAGCCAGCCA | TTTTGTCCTC | GCATGACTAC | GGTTGCTTAT | 79260 |
| CCTGTTTAGA | CAGACAGCAA | CATTTAAAAA | TCGAAGTTCC | TTTAAACGTA | TTTTGTTTGG | 79320 |
| CAGTCCAAAT | GTTTCTATGC | AGAAAACAGT | ATTTGTACTA | TTAACTATGA | AGAGTGTATG | 79380 |
| GATAAATGGG | AGACATTTCT | AATAAAGGCC | TTCGTTAATG | GTTCCCTCTG | TTTGACATCC | 79440 |
| ATGGTGCTTC | TGAATACAGA | AAGCCTAGCG | TCTTATATTC | GCTTCTTTTA | AAATCTGGTG | 79500 |
| GGCACATTTT | GGTGAGACCT | AAATTATGGG | GACTGGGGCT | TCTGGAGATA | AGCTGCTCAA | 79560 |
| TTATTCTACC | ATCTCCACAA | TGATTAATAT | AGTGAGTTGA | TTTGTTAGTG | ATAGTGACCA | 79620 |
| CGGATTCATC | CCAAGAAAGA | GAAAGGGGAG | GGAGGCAAGC | AGAGAGACAG | GAAGACAGAG | 79680 |
| GCAGGGAAGA | AGGAGAAAAC | ATTCTCCCAT | GGTTTAAGTA | ATTTTGTGTT | GTTAATTTTA | 79740 |
| CATTACAACA | CGGTTTAACA | TGGTGAACCC | TCTATTTTGG | TGTAAGGTTT | AACATATGGA | 79800 |
| CATATTTTTC | CCAAGACCAT | TTATGAACTT | TCATTTCTGC | TTCCCCCTTC | TTCCTCCCGT | 79860 |
| GCCACCCTCC | ACGCTCCTAT | CAATTTTGGC | TGTTTTGTCA | TAGGCTAATA | CGCTATAATT | 79920 |
| TCATGGACAG | TTGGACTION | TTAGGTTTCT | CAGGTTTCTA | TTTTGTTCCT | TTAGTCATTC | 79980 |
| CCACAATTCT | TAAGGTAGAA | TTGTATTGTT | TTAAACATTG | TGTTGTGTGC | TATCCTCAAT | 80040 |

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| GCTGAGATGA | TTATGTGACA | AATGGCAAGT | GTTCAACTAA | TACCTAAATC | TGTAATATCT | 80100 |
| TATCAAGCCT | AATGCTACTT | CACAATGCCT | ACTCCATTCA | CCGCACTTTA | TCTCATTACT | 80160 |
| GGCATTCTGT | CATCTCACAT | CATCACAAGT | AAAACGGTAA | GCTATTTTGA | GAGAGATCAC | 80220 |
| AGTCATATAA | TTATATTTAT | ATTTATTTAT | TTATTTATGA | GACGGAGTTT | CCCTCTGTCA | 80280 |
| CCCAGGCTGG | AGTGCTGTGG | CACGTTCTCG | GCTCACTGCA | ACCTCCGCCT | CACGGGTTCA | 80340 |
| AGCGATTCTC | CTGCCTCCGC | CTCCCGAGTA | GCTGAGATTA | CAGGGGCCTG | CCACCATGCC | 80400 |
| CGGCTAATTT | TTGTATTTTT | AGTAGAGACG | GGGTTTCACT | AAGTTGGCCA | GGCTGGTCTC | 80460 |
| GAACCTCTGA | CCTCAGGTTA | TCCGCCCCACC | TCATCCTGCC | AAAGTGCTTA | GATTACAGGC | 80520 |
| GTGAACCACC | GTTACACAGAC | TCAAATCATT | TTTATTACAG | TATATTGTTA | TAATTGTTGT | 80580 |
| TTTATTATCA | GTTATTGCTA | ATCTCTTACA | GTGCCTGATT | TATAAATTAA | ATTCATCATT | 80640 |
| GCCATGTGTA | TATAGAAAAA | AACAGTGTAT | ATACGGTTCA | GTACTATCTG | TGGTTTCAGG | 80700 |
| CATCCACTGG | GGGTGCAGTT | TATTAAACAT | GCATTTACAT | TAGTCTCCCC | TTTGGGAGAC | 80760 |
| TAATTAAGTG | AGATGTTGTA | ACGTGACTTT | AATAGCAGAT | AGAGCTAATT | TTCTCTCATT | 80820 |
| ACTCTTCTTT | TTCAGAATTT | TCCTGGTTAT | TCCATTTTTT | ATTTTTCCAT | ATGTATATTA | 80880 |
| AGATCTCTTC | CACCTCCTCC | TGTTTCTCCA | TCTCAACATC | AAACAATTAA | AAAAAAAAAA | 80940 |
| AAAGGCTGGG | CGCGGTGGCT | CACGCCTATA | ATCCCAGCTC | TTTGGGAGGC | CTAGGCGGGT | 81000 |
| GGATCACGAG | GTCAGGAGTT | CAAGACCAGC | CTCGCCAAGA | TGGTGAAATC | CCGTCTCTAC | 81060 |
| TAAAAGTATA | AAAATTAGCC | AACCATGGTG | GCAGGCGCCT | GTAATCCCGG | CTACTCGGGA | 81120 |
| GGCTGAGGCA | GAGAATTGCT | TGAACCCGGG | AGGCGGAGGT | TGCAGTGAGG | CGAGACCTTG | 81180 |
| CACTCCAGCC | TGGGTGACAC | AGCGAGACTC | CGTCATAAAA | AAAAAAGCCG | GAAGCAGTGG | 81240 |
| CTCACGCCTG | TAATTCCAGC | ACTTTGGGAG | GCTGAGTCAG | GCAGATTACC | TGAGGTCAGG | 81300 |
| AGTTCAGGAC | CAGCCTGGCC | ATGAAAATAC | AGCCTGGCCA | TGAAAACACA | CAATAAATTA | 81360 |
| GCTGGGCGTG | GTGTCACACA | CCTGTAATCC | TAGCTACTCG | GGAGGCTGAG | ACAGGAGAAT | 81420 |
| CACTTGAACC | CAGGAGGCAG | AGGTTGCAGT | GAGTTAAGAT | GACGCCACTG | CACTCCATCT | 81480 |
| GGGCGACAGA | GCCAGACTCT | CTCTCAAAAA | ACTAAATAAA | TAAAAATAAA | GTTATGGTAC | 81540 |
| ATTGAACTTC | TGTGTTCCCT | TCTCCCTTAG | ATACTTTCAT | GGCTACCCAT | TTAATTGATG | 81600 |
| TTCTTATCAT | CTCCAAGAGT | TAGTCAGGAG | AGGAATCAAC | CCAAGCAAAA | ATAGCTGATT | 81660 |

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| TTCTAATTTT | CCTTCAATGC | CCTTTGGGGT | CTTAATCCAT | TTGATTTATG | TACTTTCAAT | 81720 |
| TAATCCTAAC | CTCGAATGTC | TTCTGCAAAC | ATGTTTCCAC | AGATGAAACT | CGTCAAATGA | 81780 |
| AACACATTCC | TTTAATTTAT | AGAGTTAAAA | ATTAGAAAAA | TTTTCAATTC | TATTTGGCCT | 81840 |
| TTAGATTGAG | TCTTGCATAT | GTTTTCTCAA | TTTTGTTCAT | GCTCTTTAGT | TTTGTTTTAT | 81900 |
| TCCATCACAA | TTGTTACAT | AGCTTACTGG | CTTAGGTCTA | ATGAACCATT | CATTTGGAAA | 81960 |
| TTAAAATTGG | CCATTTTAAG | ATGAAAAAGA | TTCTTGCCTC | AATTTTACTT | AGTTTTTGAA | 82020 |
| ACTGTCAATG | AGGACACATG | TTTTTCTGTA | CTCTTAGATT | CACTAAGTAG | TGTCTTGCAA | 82080 |
| ATTTAACTGA | CAAAGGACAG | ATTAACATGC | GAAAAAAGAA | GCATGCAATT | TTATTAGTAT | 82140 |
| ATTACATGCA | CAGAGTTCCC | AAAGAAAAAA | AAATTGAAAC | CTTAAAAACG | CGGTTAGACT | 82200 |
| CACAGACTTA | TACACCATT | CAACAAAGGA | AAGGGAGTTT | GCACTTCATG | GGATGACGAA | 82260 |
| TTTGGGAATG | TGACAAGGAA | ATAAATACAT | GGGCAATAAA | AACCATGGAA | GATAAAATGA | 82320 |
| AAGATAGAAA | TAATTGTAGT | AAGGTTTGTT | TTTGCAGAGT | CATCTCAGTG | CCAACCTTCC | 82380 |
| ATATCTAGTG | ATAAGAATTG | CTCTCTTTTT | CCTGGTATAG | CAGTTGGGGA | CACTTTTACA | 82440 |
| AGGGAAATTT | CTGTCACCTT | CACAAAGGGA | AATTTGGGTA | AAGAGAAGAC | AGAGACCTCT | 82500 |
| TCCTACACCT | GTTGATTTTC | AATTGCCTTC | AGCTGAAAAT | AACTTTTATG | CCAAAGTAGA | 82560 |
| ATAATTTGGG | GGTGACATCC | TGATATTCTT | CAAACTTAT | ATTTAATTTT | ACATTAGTAA | 82620 |
| TTATATCATT | TTTGATTTTT | AAATTAGTTT | TATAAAATAA | TTTTGAAAAA | CGGTAATAAT | 82680 |
| ATTCAAATAA | TTCCAGAAAC | ACTGCTGATA | AGCCAAAAAC | ATCAATGAAT | ATTGCATAAA | 82740 |
| CAACTGATAA | TTCAACCATG | AAAATTTATG | ACATTGTTCT | TGTGTGATAA | AACTATGAGT | 82800 |
| AACATAAAAA | CTAGAGGCTA | CTTGTAATGC | ATTATTCCAA | ACTTTCTGTT | TTTTATTTAT | 82860 |
| TTATTTATTT | ATTTTGAGAC | ATAGTCTCTC | TCTGTCACCC | AGGTTGGAGT | GCAATGGCGT | 82920 |
| GATCTTGTTT | CACTGCAGCC | TCCACTTCCC | CGGTTCAAGC | AATTCTCCTG | CCTCAGCCTC | 82980 |
| CTGAGTAACT | GGGATTACAG | GCACCTGACA | CCAAACCCGG | CTAATTTTTT | TGTATTTTAA | 83040 |
| GTAGAGACGG | GGTTTCGCCA | TGTTTGCCAG | GCTAGTCTCG | AACTCCTGAC | CTCAGTGATC | 83100 |
| CACCTACCTC | GGCCTCCCAA | AGTGCTAGGA | TTACAGGCGT | GAGCCACCAT | GCCCGGCGCA | 83160 |
| TTATTCCAAA | CTTTCATACA | CAGTGCTATC | ATGGCTACAA | ATTGAAGTAT | CATATTATAC | 83220 |
| ACTCCTAGGC | AAAGCTCTGG | ATATTTTGGC | TATATAAGCC | TGAGGGAAAT | GTAGTAAGGA | 83280 |

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| CATTGTGGTT | GAAATTCATA | CCAGAGATGA | ACAGGCCCCAG | TGCAAGACAG | AATTACATCA | 83340 |
| CTAAAGGATA | TCAGAAGAGA | ATAGGGATTT | AGGGTACAGT | GGCAACAACA | GTTTTGGGAA | 83400 |
| CTAGCATTTT | TTGAGCACTT | ATTTACAATA | TGCCAAGCAC | TGTTGCTGAT | TACTCTATAT | 83460 |
| TTATTTTCAA | ACACATTCTT | GTCACAGCAC | TTTGAAGTAA | GTGCCATTGT | CATTCCCACT | 83520 |
| TCAGGGTGAA | GGACTAAAGC | TTGGTGT CAT | TAAGGATGTA | GCTAGTTAGC | TGTGTGTGTG | 83580 |
| TGTGTGTGTG | TGTGTGCATT | TTTTTTTTAAA | TTTAAAGTCA | ATAAATTTTT | ATTTGAAGAA | 83640 |
| TTTCACATCA | AGGTAAACTT | TGTTCTCTA | AAGAGCTGGA | GTCAAATGT | ATCTTCAAAA | 83700 |
| GATTCATCTT | CAAGTTAGCC | CTTCTTAATA | GAAGTATGTC | TTAATCCACA | GTTGTCAGCC | 83760 |
| CACAGTTCTT | TTATTTTGAC | TTTTTTTTTTT | TTTTTTTTTTG | AGACGGAGTC | TCTCACTGTC | 83820 |
| ACCCAGGCTG | CTGGGCAGTG | GCGTGATCTC | GGCTCGCTGC | AACCTCTGCC | TCCCGGGTTC | 83880 |
| AAGTGATTCT | CCTGCCTCAG | CCTCCTTAGT | AGCTGGGACC | ACAGGCGCAT | GCCATCGTGC | 83940 |
| TCGGCTAATT | TTTGTATTTT | TATTAGAGAC | AGGGTTTCAC | TATGTTGGCC | AGGCTGATCT | 84000 |
| CAAACCTCTG | ACCTCATGAT | CCGCCTGCCT | TGGCCTCTCA | AAGTGCTGGG | ATTACAGGTG | 84060 |
| TGAGCCACTG | CACCCGGCCT | TATTTTGCCT | TCTTTAATCT | CCATTTGAAC | ATGGACATAC | 84120 |
| TGATGAAAAC | TACAACATTC | TTCACCAAAA | ATCTTTGGGA | TTTAATTTCT | TCAACCACTT | 84180 |
| TACTTTGGGG | TCATTTTAAG | ATTAGGTGTA | TCTGCCTGGT | TCTCAATTTG | ACACCCTTTC | 84240 |
| TCTCTAAACA | TGAATGAGTT | CCAATCATAT | TTATTCCTAA | GCTATCACAC | TCAAATATAC | 84300 |
| TACAGATCTG | TGGAATATGC | CAAAAGTTAA | GGTGAAAAAT | TAAATTATTA | GGTATTTTCT | 84360 |
| AGTTTTGCTA | GTTTTTGATC | TGTGAGTGAA | TATAACTATC | CTCTATGTCC | TGGCACTGTT | 84420 |
| CCTCAGAAAC | ATAGGGTCCA | CATATGTAAT | TTTAAATTTT | TTAATAGGCA | CATTTTAAAA | 84480 |
| AGTGGAACAA | GAAATCTATT | TTAATGATTT | GAATCCAGTG | TAACCAAAAA | TTGTTTCAAC | 84540 |
| AAGGTATCTA | ATATTAAAAAT | ATTGAGTTTT | TACTTTGTTA | TTTTACTAGG | TCTTTGAAAT | 84600 |
| CTGGTGTGTA | TTTTTACACTT | AAAGCACATC | ACAGTTTGGA | GTAGCCACAT | TTCCAATGCT | 84660 |
| TAATACTCAC | ATATGGTTAG | TGGCAACTAT | CTTGGACAGG | ACAGCTTTTA | TACTCTGGGA | 84720 |
| AGACACAAGC | AAATACTTGC | TCTGCAGCAG | AATCCAGATG | TTTTCCAAGA | AAACACTTTT | 84780 |
| TCTGACCTGT | TCGTGAAACC | CAGGTAGTGT | CTCTAATACT | TTATATTTTA | TTGGTTTGTG | 84840 |
| CTATTGTAAAC | CACCCAACGG | GCTCTCCTTG | TCCACTTCCT | AGACAGAGCT | GATTTATCAA | 84900 |

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|-------------|------------|------------|------------|------------|------------|-------|
| GACAGGGGAA | TTGCAATAAG | GAGCCAGCGC | TACAGGAGAC | TAGAGTTTTA | TTATTACTCA | 84960 |
| AATCAGTCTC | CTTGAGAATT | TGGGGACCAA | AGTTTTTAAG | GATAATTTGA | TTGTAGGGGA | 85020 |
| CCAGTGAGTC | GGGAGTGCTG | CTTGGTTGGG | TCAGAGATGA | AATTATAGGG | AGCCTAAGCT | 85080 |
| GTCCTCTTGT | GCTAAATCAG | TTCCTGGGAG | TGGTGGGGTG | GGGGACTCAA | GACCAGATAA | 85140 |
| TCCAGTTTAT | CTATATGGGT | GGTGCCAGCT | AATCCATTGT | GTTCAGGGTC | TGCAAAATAG | 85200 |
| CTCAAGCATT | GATCTTAGGT | TTTAAAATAG | TGATTTTATC | CCCAGGAGCA | ATTTGAGGTT | 85260 |
| TAGAATCTTG | TAGCTTCCAG | CTGCATGACT | CCTAAACCAT | AATTTATAAT | CTTGTGGCTA | 85320 |
| ATTTGTTAGT | CCTGCAAAAG | CAGTCTGGTC | CCCAGGCAGG | AAAGGGGTTT | GTTTCTGAAA | 85380 |
| GGGCTGTTAT | TGTTTTTGT | TAAAAGCAAA | AGTATAAACT | AAGCTCCTCC | CAAAGTTAGT | 85440 |
| TAATCCCAAA | CTCAGGAATG | AAAAGGACAG | CTTGGAGGTT | AGACGTTAGA | TGGAGTCGGT | 85500 |
| TAGGTAAGAT | CTCTTTCACT | GTAATAATTT | TCTCAGTTAT | GATTTTTGCA | AAGGCAGTTT | 85560 |
| CACTGTCCAC | TTCACCTCAC | ATCAGGCCTC | TGACTAGAGG | ATTCCAACAA | TACTTAGGCC | 85620 |
| AGGACACCAC | CATGTCTCCT | TATCCACCCT | GAGGGATTCC | AATTTCTGAA | ACAAAGGAAA | 85680 |
| CTATATATGA | TAGTATGAAA | CTATATATGA | GAAGGAAATT | ATATATGATA | ATCAATTTTA | 85740 |
| GGGTTATCTT | ATTGATTAGA | AGATATTAAA | GTGTGACACT | GCCTGGCAAT | GATATCTGCT | 85800 |
| GGTAGTAAGA | ATTTGGCGAA | TTTAGTGAAA | TTCCTGAGGC | TGAACCTCCA | CTTCTGTAAA | 85860 |
| ATGGAGACAG | TGAGATAATT | TGCCTTACAA | TGCTGAAGTA | AGAATTTTAC | ACAATAATTC | 85920 |
| AGACCAACCA | CTTCATGTGG | TACTTGCCCC | GTGGAAGACT | ATCAATGACA | GTTAGTTTAT | 85980 |
| AGTTTATACT | ATTAATGAAT | CCTTTGTTTC | ATTGTTATTT | CCTTCTACAC | GTTGGCCTCT | 86040 |
| CTAAAAGAAG | GTAATATTCA | ATACAAATAA | AGTTAAAACA | GCTTGCAGAG | TTGTCCCAGG | 86100 |
| GAACCTCACTT | AACCACTGAA | GTGTTCAAAT | TGCTTAAGGT | TGACTTTATA | TTCTCCTGAC | 86160 |
| TAACCTTTCT | CCTTCTGGTA | TTTCTTCTGA | GAACAGCACC | ACCATCCAAA | GCATCATGCA | 86220 |
| AACAGTGGTC | ATCCCAGACC | AGTAATTCTC | AACTCACAGG | GTGCTCCTGC | AGAGATGTAT | 86280 |
| TTGAATAGAG | TGGTAGGATG | CTGAAGAAGG | CCACGTAAAA | TTTGGCCAGT | GATCTGGGGC | 86340 |
| AGATTTATCC | TGAAGCTAAT | GAAACACAAG | TGTAAGGGCC | TGTACTTCCA | AGGTGCAGAG | 86400 |
| AGGGGCCCTA | CAAATGTGTT | AGTTTGTCTC | TCTCTCTCTC | TCTGATTTTA | AAATTTGCAG | 86460 |
| TATTAAGGTA | CTTTAATCAC | GGATGGTTCA | GGCTGCTATT | TTCACTCAAT | CCTCCTTTTT | 86520 |

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|------------|------------|------------|-------------|------------|------------|-------|
| ATTAAAATCA | CCATTGTCTG | ATTATGTTAG | AATCCTGATG | AAAATATTTG | GAATTTGAGT | 86580 |
| AAGAGAAAGT | TTAGTTGAAG | ATGTATCTAG | TATGGGGATA | ATAAGTTACG | TGATTTGCAT | 86640 |
| ATGTGATCAT | GTGTACTTCA | TTCGTTGCCA | GCCAATCTGA | CGTAAGAATG | GCTTCAAGGA | 86700 |
| GGCCGGGCGC | GGTGGCTCAC | GCCTGTAATC | CTAGCACTTT | GGGAGGCCGA | GACGGGCGGA | 86760 |
| TCACGAGGTC | AGGAGATCGA | GACCATCTTG | GCTAACACGG | TGAAACCCCG | TTTCTACTAA | 86820 |
| AAATACAAAA | AATTAGCCGG | GCGTGTTGGC | GGGCGCCTGT | AGTCCCAGCT | ACTTGGGAGG | 86880 |
| CTGAGGCAGG | AGAATGGCAT | GAACCTGGGA | GGCGGAGCTT | GCAGTGAGCC | GAGATCGCGC | 86940 |
| CACTGCACTC | CAACCTGGGA | GACACAGCGA | GACTCCGTCT | CAAAAAAAAA | AAAAAAGAA | 87000 |
| TGGCTTCAAG | GAATGTTCTT | ACTGCTCACT | GGAATAACTC | ACCTAAATTC | CTGGCAAGAT | 87060 |
| GCAGGTCTAG | ATAAAATGTT | ATGACATCTA | AGTATTCAAA | ACACATTCCC | AGCACTGAGA | 87120 |
| GTGAGTGTCT | AGTGGAGAGT | AGAAACGTAT | AGAGCCAGAA | GCTAGTCTGG | AAAGAATTCT | 87180 |
| TACAAAGTTT | ACAACTTACA | TGTGAAAGGA | GCTTAACAGA | GGATTTTCCA | AATTTGAAAA | 87240 |
| CAATCCTAAA | AACTTACTTG | ACATTACCAA | TAATGTGTTT | TGAAACTGAA | ATACTTCTAA | 87300 |
| GTTATGAAGA | AAACATATTA | TCATCAGCCA | CCCTGGAGGA | AAGATTGAAT | TCTATTTCCA | 87360 |
| TTACCTATAG | ACAACATTAC | AAAATAATTT | CGATCTGAAG | ATGGAATCAG | AGTATTCAGT | 87420 |
| CAAAACTACA | GGAAAATATA | CTTGGTAGTG | TCATATTCAG | AAGTTAATAA | AATATGCTAT | 87480 |
| TTTCTGAATT | TTGTGATGGC | TGTTGTTTTG | TCAGCTTTTA | TAAAATTGGA | ATTTGATTTT | 87540 |
| ATTTTCCCAT | TATAAATTTA | TATTTACAGT | CTGCAGTACT | TTTGCATTTT | TAATTTTACA | 87600 |
| TTATAGCTTT | TAATAGTTAA | CAAGTTGTAA | AAGGTTTGAT | CCCCAGAAAA | CCTTGATCTA | 87660 |
| CCCCCTCAGT | TAAGTATACT | AATATATTTA | GAAAATGGAT | GAAATCAGCA | TTTGAATATT | 87720 |
| TTTAAATATT | TATTAAAAGA | GGACATGGGT | AAAAGAGCTT | TGCAGTTGCC | ACCCTTCATT | 87780 |
| CTCAAATTCC | CTGGATAAGG | ATGACCGCAT | AATCTTTGGA | TGGTCATACG | CAAGTCTTGT | 87840 |
| GTATTTGTTA | CATAAATCTA | TTTAGTGGAC | TTTTGGCAGT | GTGTACTGAG | GCCAGTTTCT | 87900 |
| TCCACCTGAG | CTCTGACTCC | ACCTCCAGCA | GCCCCAAAACC | AATACTGAAT | TTTGGGGTCA | 87960 |
| GCTATTGTTT | TTGTGGACTT | AGGTAACTAC | ACACACATTG | TCTTTATGAT | AGCTTTAATA | 88020 |
| ATACTGCCAT | CAGAACTAAA | ATTGTCACGT | GGATTAAAAG | GAGTGACGGT | GGTGTCCCCA | 88080 |
| GGAGCCTTTC | AATATGTAAG | TATTTACACA | TATACATGCT | AAAAAGACCC | CTAGGAATTT | 88140 |

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| TTTTAACAAG | GGCAAAACAG | TAACTCAGCT | TGTTTTCTCG | CAGTAAAACC | GGTTGAAAAG | 88200 |
| GCCTGATAGA | CTTGTCTGCA | GTTACAAAAC | TTGTGTGTAG | TTATCACCTT | TATATCTCCT | 88260 |
| GGAAACTAAC | ATAGACAACC | GAATGGGTTA | CAACTGTTTT | TAAGTGAAAT | TGTGAGTGGC | 88320 |
| TCTGAAAAGA | GCCTTTTCAA | TGAGGAAGAA | ACGGGCAGAC | TTATGCCCTT | TCCCCACGGA | 88380 |
| TGCGACGTGC | CAGCTGGATA | TCTTTGGGCA | TGATGGTGAC | GCGTTTAGCG | TGAATAGCGC | 88440 |
| ACAGATTGGT | GTCTTCGAAG | AGTCCCACCA | GGTAGGCCTC | GCAAGCCTCC | TGCAGCGCCA | 88500 |
| TCACCGCAGA | GCTCTGGAAA | CGCAGGTCGG | TTTTGAAGTC | CTGGGCGATT | TCTCGCACCA | 88560 |
| GGCGCTGGAA | CGGCAGCTTC | CGGATCAGCA | GCTCGGTGGA | CTTCTGGTAG | CGACGGATTT | 88620 |
| CGCGCAAGGC | CACGGTGCCC | GGGCGGTAGC | GATGAGGTTT | CTTCACGCCA | CCGGTGGCCG | 88680 |
| GAGCGCTCTT | ACGGGCTGCT | TTAGTAGCAA | GCTGCTTGCG | CGGAGCTTTG | CCGCCGGTAG | 88740 |
| ACTTGCGAGC | TGTTTGCTTC | GTACGAGCCA | TTTGCAATGA | GAGCACACAC | AAAAGTGTAG | 88800 |
| TGAACTGAGA | GCAAGTGGCC | TTTAAATATA | GTGAGAAACA | TTCTGATTGG | TCCTGTAATA | 88860 |
| TTTCAAAAGT | CCCGCGCGAT | AAAATCATTG | GCTGAAGAGT | GACCAGACTG | ATTGGTTCAT | 88920 |
| TACTAGACAA | TCTTATTGGA | TGAGTTGCCC | CACCGCCCAT | CCTGTCCTTT | TCGTTTCAGT | 88980 |
| TATCTGCAGC | GACAAATTGT | CTAAAATTCT | AGTTCATCCA | GTCCCAAAGA | ACAGAGTGTA | 89040 |
| TAACAAGGTA | TCTAAGGATT | TTTAAAATGT | AAATTCCGAT | TCAGTAAGTT | TGAGTGGGAC | 89100 |
| TTGAAATTCT | GCATTCTCTGA | CAGTCTCGCA | AGTTATCAAT | GCTGGTGAAC | ACTCACTAAA | 89160 |
| CCACCAGAAA | CGTTCAGACT | CATGTCGGGA | AATAACGCTT | ATATTCAGAG | AATGAGATTC | 89220 |
| CATGCTATTT | TGTTACTGGC | GAACAGCAAG | TTTCCTTGCC | CTTTGTTTTT | TAAGTCCAAG | 89280 |
| TCACATTCCC | ACCCTGCCTG | TTCTCAAAAT | GTCTTATTTT | GGTTGGCCTT | AAGTTTCACT | 89340 |
| TTGTATACTC | TAAAATGTAC | TTTCTAAAGG | AAGGTGTTAT | TTTCTCGAAA | CTTAACTTTT | 89400 |
| TAACACCATT | AGGCTAGGGG | GGCGGTGGCT | CACGCCTGTA | ATCCAGCAT | TTTGGGAGGG | 89460 |
| CGAGATGGGA | CGATCACTAG | AGGCCAGGAG | TTCAAGACAA | CCCTGGCTAA | AATGGTGAAA | 89520 |
| CCCCGTCTCG | CATAAAAATA | CAAAAAC TAG | CTGGGCGCGG | TAGCAGACGC | CTGTAATCCC | 89580 |
| AAGTACACAG | GAGGCTGTGG | CATGAGAACC | GCGTGAAGCG | GCGGGGTGGA | GGTTGCAGTA | 89640 |
| AGCCGATATC | GCGCCGCTGC | ACTCCAGCCT | GGGTGACAGA | GCTAGACTGT | CTCAAAACAA | 89700 |
| ACCAATCCAA | ACGAAAAGCA | AAAAATACCC | TAACAGAAGC | AAGTTATCAT | CCTTTCTTGT | 89760 |

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| GTAAGTATGG | ACGGCTCTGA | AAAATGCCGT | TTCAAGTGTA | AGCTACGTTT | TCTGATTTGA | 89820 |
| GTGTTTACTT | GACCTTGGCC | TTATCGTGGC | TCTGTTATTT | TGGCAACAGG | ACGGCCTGAA | 89880 |
| TATTGGACAG | GACGCCTCCC | TGAGCAATAG | TGACGTTGCC | CAGCTGCTTG | TTGACCTCCT | 89940 |
| CGTCGTTTCG | GATGGCCAGC | TGCAGGTGGC | GGGGGATGAT | GCTGCGGGTC | TTGTCACGTA | 90000 |
| TGGCGCTGCC | CACCAGTTCT | AAGATCTCGG | CGGCCAGGTA | CTGTAAGTAC | ACTGGCGCAC | 90060 |
| CGGCTCCGAC | CGGCTCAAAA | TAATTGCCCT | TTCGAAAAAG | ATGACGGACT | CTGCCCTATT | 90120 |
| GGGAAGTACA | AGCCCGGTAG | CGACGAACAA | GTTTTTGCTT | TAGCTCCATT | TTCCACGTCC | 90180 |
| GCAAATAGCG | ACCTATGAAA | GCAGCGGAAA | ACTGTGAAAG | ACAAGCAAGC | TGGAATGGCG | 90240 |
| CCTGAACAAA | TCCTTTTATA | CAAAGTCAA | GGCTGCAATA | GGAAGCTATC | CTATTGGTCA | 90300 |
| ATTATGTTTG | GTGCTTTATC | CAATAGAAAA | AGATAACATA | AATTCCATAT | TTGCATAAAC | 90360 |
| CCCACCCCTC | AGTGAAACCG | TGTTTCTTTT | GTCCAATCAG | AAGTGAGGAA | TCTTAAACCG | 90420 |
| TCATTTGAAT | CTCAGGACTA | TAAATACATG | GGCTCTGAAC | TGTTCTCTGT | ACTACTCTGT | 90480 |
| AGTGGAGAGT | GTTAGTAGCT | TTTCTATTCT | GTTTAGGAAT | AGCAATGCCT | GAACCCTCTA | 90540 |
| AGTCTGCTCC | AGCCCCTAAA | AAGGGTTCTA | AGAAGGCTAT | CACTAAGGCG | CAGAAGAAGG | 90600 |
| ATGGTAAGAA | GCGTAAGCGC | AGCCGCAAGG | AGAGCTATTC | TATCTATGTG | TACAAGGTTC | 90660 |
| TGAAGCAGGT | CCACCCCGAC | ACCGGCATCT | CATCCAAGGC | CATGGGGATC | ATGAATTCCCT | 90720 |
| TCGTCAACGA | CATCTTCGAG | CGCATCGCGG | GCGAGGCTTC | TCGCCTGGCT | CACTACAATA | 90780 |
| AGCGCTCGAC | CATCACCTCC | AGGGAGATTC | AGACGGCTGT | GCGCCTGCTG | CTGCCTGGGG | 90840 |
| AGCTGGCTAA | GCATGCTGTG | TCCGAGGGCA | CTAAGGCAGT | TACCAAGTAC | ACTAGCTCTA | 90900 |
| AATAAGTGCT | TATGTAAGCA | CTTCCAAACC | CAAAGGCTCT | TTTCAGAGCC | ACCTACTTTG | 90960 |
| TCACAAGGAG | AGCTATAACC | ACAATTTCTT | AAGGTGGTGC | TGCTGCTATT | CTGTTTCAGT | 91020 |
| TCTAGAGGAT | CAACTGGAAT | GTTAGCGAAG | ACAAGTTTTA | GAGCCAAGGT | TAAGTTGGAC | 91080 |
| GGGGCCGTGC | GCGGTGCCTC | TTGCCTTTAA | TCCCGGCAAT | TTGGGAGGCC | GAGGCGGGCG | 91140 |
| GATCACTTGA | GGTCGGGAGT | TCGAGACTAG | CCCGGCCAAC | ATGGCGAAAG | CCCGTCTCTA | 91200 |
| CTAAAATACA | AATGATAGAC | GGTCGTGATG | GCGCTCTTTC | TCATCTGTCT | TAGCAAAGTT | 91260 |
| CTTTGTTCCC | CCTGGGTAAG | CCTTCGGGTA | CTATGTATAA | TTCCTTTGAT | AAGGTCACCTA | 91320 |
| CTCCCTCCCT | GGTCTAGTAC | AGGAAACTTC | CCTTTCTGGA | TAATGAAGCA | GGTAATGGAA | 91380 |

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| TTCAGGGTAT | AGTGTTCCTG | TGGGGGTCAT | TAGCCGTTAA | CTTCTTGTGA | GATGCGGGGG | 91440 |
| AGGGGAGCAG | AAAAGTCTAA | GCGACAAAAG | GGCATGTAGG | GATATTTGCT | CCTGCAGCTT | 91500 |
| GCCTATGCTG | TAAATTCTTA | CTTCAAGTAT | TGAGGAAACA | ATAAGCGAAG | TCTGATTTCC | 91560 |
| CGGGCGCCTT | TATACGGAAT | ATTTCCCGCT | CCACAAAATG | AAATCGCAGT | AGTTTTGAGT | 91620 |
| TATAATTGTT | TATCAATGAC | AACAGCTATG | TAGTTTACAT | ATTTTCATGCA | TCCCAGAAAT | 91680 |
| CCAGATTCCC | ATTTCTTAAG | CCACTTAACG | TTCTGATTTT | CAGCTCTGCG | AGATACAAAA | 91740 |
| GGGTTTGGAT | TTTGTGCCCT | TCCCCATCTG | GCGCCACTGC | AAAGCTTACT | AGGAGGGCCC | 91800 |
| CACTTGGAGA | GGGAAATCTT | TTTCGAGAAG | TCCAGGACGC | CAAAAACAAT | ATAGCTAAAA | 91860 |
| AAAAAAAAAA | AAAAAAGGCA | GGAAGAGCAC | TAGTTGAGGA | GGAGGACTCA | ATGGGCCAAT | 91920 |
| TCTGGGGCTG | GGGCTGGGGG | AAGAAATGCA | AGAAGAAAAG | ACACTTGTTG | ACTGCACAGT | 91980 |
| AAGCAGGAGG | GGGTGGGGGA | ATCGGAGGGG | AGTATTTTCA | GCGAATTTAT | GGGCATTATA | 92040 |
| TGTAGGTGAC | ATACAGCAGT | GTCTTTGGAT | GAAGAAATAA | AGTTTCTCAA | ACAGTTCTTG | 92100 |
| TTTTTGTTTT | GAGAAAGGGC | CTTTCTCTGT | CGGCCAGGCG | CCATCATAGC | TCACTGCAAC | 92160 |
| CTCGACTTCC | CCAGCTCAAG | CGATCCTCTT | ACTTCAGCCC | CTTGAGTGGC | TGGGACTAGA | 92220 |
| GAAATGCACC | ACCATACCCA | GTTAATTTTT | TAATTTTTTG | TGGAGGCAAA | GGGTCTTACT | 92280 |
| TTGTTGCCCA | GGCTGGTCAA | GCGAACTCCT | GGGCTCAAAT | GATCCTCCCG | CCTTGGCCTC | 92340 |
| CCAAAGTCCT | GGGATTATAG | GAATGAGTCA | CCGCGCCCGG | CCCAGATTTA | ATTTTTAAGA | 92400 |
| ATCTTTTAAA | AGAGGTTCTG | GGCCGGGTGT | GGTGCAGCTC | ACGCCTGTAA | TACCAGCATT | 92460 |
| TTGGGAGGCC | AAGGTGGGAG | GATCACTTGA | GCCCAGGAGC | TCAAGACCAG | TCTGGGCAAC | 92520 |
| TTAGTGAGAC | CTTTTGTCTC | CACCAAAAAT | TTAAAAAATT | AACCAGGCCT | GGTGGCACAT | 92580 |
| TTCTGTAGTC | CCAAGTACTG | GGGAGGCTGA | AGTGGGAGGA | TCATTTGAGC | CTGGAAGGTG | 92640 |
| GAGGTTGCAG | TAAGCTGTGA | CGGCACAAC | GCACTCCAGT | CTGGGTGAGG | ACAGACCCTG | 92700 |
| TCTCAAAAAT | AAAAAATAAA | AAAAAATCTG | GATGCCACAC | AAAATGTCAG | TGAACAAC | 92760 |
| TAAGTGAAGC | ACTTCCCATC | CTAGTACTGT | ATATGCAAAC | TGCCGTTGTG | AAAGTGACGC | 92820 |
| TTGGCTTAAA | AATCTACATT | CTTTTTTTAA | TTATAAACT | ACCACATCCC | CCAAAAACAT | 92880 |
| TACTAAGGAA | TTGAGGCTGC | AGTTTAAGAA | GCTGATATTT | AGGATCTATC | TCCGGAGAAG | 92940 |
| TGAGACCTGG | TAATATAAGC | ATTTTCAAAA | TGAACTTTTG | GGCCAGGTGA | GGTGTGTCAT | 93000 |

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| GCCTGTAATC | CCAGCACTTT | GGGAGACCTA | GTCAGGCAGA | TCACTTGAGC | TCACAATTCTG | 93060 |
| AGACCAGCCT | GAGCAACATG | GCGAAATCCA | GTCTCTACAA | AAAATTAGCA | GGGCGTGGTG | 93120 |
| GCATATGCCT | ATAGTTCCAG | CTACTATAGA | GGCTGAGGTG | GGAGGATTAC | TTGAGCCCCG | 93180 |
| GAGGCAGAGG | TTGCAGCAAG | CCAAGATCGC | GCCGCCACAG | CCTGAGCGAC | AGAATGAGAT | 93240 |
| ATGCACCCAC | GCCCTAAAAA | AAAGCATGAC | TCATTAAAAA | AAAAAAATTT | AGCCGGTCTGC | 93300 |
| GGTGGCTCAC | GCCTGTAATC | CCAGCACTTT | GGGAGGCCGA | GGCGGGCGGA | TCACGAGGTC | 93360 |
| AGGAGATGGA | GACCATCCTG | CTTAACACGA | TGAAACCCCG | TCTCTACTAA | AAATACAAAA | 93420 |
| TAATTAGCTG | GGCGTGATGG | TGGGCGCCTG | TAGTCCCAGC | TACTCGGGAG | GCTGAGGCAG | 93480 |
| GAGAATGGCG | TGAACGCGGG | AGGCGGAGCT | TGCAGTGAGC | CGAGATCGCG | CCACGGCACT | 93540 |
| CCAGCCTGGG | TGACAGAGCG | AGACTCCGTC | TCAAAAAAAA | AAAAAAAAA | AAAATTAAAA | 93600 |
| AAATATGAAG | TTTTGAAGCA | GAAATTATTT | TGTCGTATGT | TCTTTCATAA | ATTTTTTGCC | 93660 |
| TGCCTGCCTT | CTTCCTTTGT | TACAGAACTC | CAACACTTAC | CCAAAGGTAG | CTGTTGGGTC | 93720 |
| AGGGTTTCTG | TACTATAGTC | CCTTCTGTGG | TGGCCAGAAA | TATGTTACAG | GAAAGAGGTC | 93780 |
| CCCATCCAGA | CCCCAAGAGA | GGGTTCTTGG | ATCCCGCGCA | AGAAAGAGTT | CAGGGTGAGT | 93840 |
| CCGCAGTGCA | AAGTAAATGC | AAGTTTACTA | AGAAAGTAAA | GTGGTGAAAC | GACAACACT | 93900 |
| CCATAGACAG | AGCAGGACAT | TCCCGAAAGT | AAGAGGAGGA | AGGCATCCAC | CCTAGGTACA | 93960 |
| ATACTTGTAT | ATATGGGGAG | ATGTGCTCTG | CTACAAGTTT | GTGATAAAGG | ATTAATTTTC | 94020 |
| TTAGTTACTA | TATTTTGCAA | GAATCAACAT | TATTATCTTT | AAACAAAATT | AAGAATGCCT | 94080 |
| TTGTTCTCCA | GATATAGGGA | TATCTGGACA | CTCCTAAGTC | TGAGTCTGTT | TAGTAAACAT | 94140 |
| TATTTATTTG | TTCCCTTAAC | CGTAAACATC | TAGAAGCTAG | GAATGACTGA | CTTTCTGGGA | 94200 |
| ATGCAGCCCA | GAAAGTCTCA | GCCTCATTTT | CCTAGCCCTC | ACTCAAATG | GAGTTACTCT | 94260 |
| GGTTCAAGTA | ACTCTGACAC | TTTTCTTCTC | TTTTTTTCTT | CTTTTTTCCT | TCCTTTATTT | 94320 |
| TTTATTTTTT | ATTTTTGAAA | TAAGAAATCA | AGAATACTTG | ATGTTTCATC | TAAACAATA | 94380 |
| CCCATAATTG | ATAAGCCAAA | ACAAAAACCT | AGGTCTTCTA | ACTCAAACCT | AGGATGTTTT | 94440 |
| GCTGTCTCTG | CTGATACTCG | GCTGATCGTT | AATAGGTAAT | TAACAAACAA | GCCTTGCTAT | 94500 |
| GTCCCCCTCA | GTTTATTACC | ATTAGATCAT | ATGCCTACTG | TCAATCATAT | TAATCCACAA | 94560 |
| CTATGCATTT | CACAAAACCT | GCCATAAAAA | TTCACAGGTT | TCCCGCTTCC | CTCGAGTTTT | 94620 |

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|------------|------------|------------|------------|-------------|-------------|-------|
| CATTTCCGAA | GGGTCCCATG | TAATATAAAA | CTTATATTAA | ATACATTTGT | ATGCTTTTCT | 94680 |
| CTTGCTAATC | TTTTTTTTTG | TTTTTTGAGA | CTGAGCCTTG | CTCTGTCACC | CAGGCTGGAG | 94740 |
| TGCAATGGCG | CGATCTCGGC | TCACTGCAAC | CTCCGCTTCC | CAGGTTCAAG | CGATTCTACT | 94800 |
| GCCTCGCCCT | CCCGAGTAGC | TGGGACCACA | GATACGTGCC | ACCATGCCCC | GCTAATTTTT | 94860 |
| GTATTTTTAG | TAGAGACAGG | GTTTCACCGT | GTTGGCCAGG | ATGTTCTCAA | TCTCCTTACC | 94920 |
| TCGTGATCCG | CCCGCCTCGT | CCTGCCAAAG | TGCTCGGATT | ACAGACGTGA | GCCACTGCAC | 94980 |
| CCGACCAATC | TGTCTTTTTG | TAGAGGGGCC | TCAAGCATGA | ACTTACTGAT | GGGTGAGAAA | 95040 |
| AACAGAATTT | TCTTTTCCCC | TACAATATAA | ACATTAATTG | TAATGTTATC | ATTCAGGACA | 95100 |
| TTTTGGTGAC | CAATCTTACA | GAAATTTTAT | CTTGTGCAAG | TCTATGCAAA | CCAATATGTA | 95160 |
| AATCTTCTAT | AAGTGAGATT | GTATTTCACT | TTTCTAGTAT | CCTTTTAAAT | TAATAAAAGA | 95220 |
| GATTCTAATG | ATTATTTTCA | TTACTGCATT | TCATTGTAGG | GAAGTAGATA | ATTGCCCTTT | 95280 |
| ATTCACTGAC | CTTCGCTTTT | TAAAAATTTA | AACCATGTTA | CCATGAAAAT | GCTTTTCAGT | 95340 |
| ATTTCTCTAC | ACACAAGATT | GCTGTAAGGG | CAAAAATAGA | GATAGGAATC | ATGCATCCAT | 95400 |
| TGATATACAT | ATTTTGATTT | TTAATACATG | TTACCAAGTT | GCCTCCTGAA | GGTCTGTTTA | 95460 |
| CACTCTCACC | AACAGGGTGT | TTTTTCCTGA | CTTCCACAAA | TGCTCTTGAA | CAGTGGGTGT | 95520 |
| GTTAGTCTGT | TCAAATTGCC | GACATGAACA | ATTAAATCTC | ATTGTTGTTT | TTATTTTTAA | 95580 |
| GACAATTATT | GTTTGAGACT | GCACATTTTG | ATAATAACAT | TTCTTCTATT | ATGGTTTGAT | 95640 |
| TACTCATGAT | TCTTGCCCAT | TTTCTTTTGG | GATGTTGCCT | TATGTACATT | ATTTTAAATA | 95700 |
| GATAGCTCCA | TGTATTAAAA | GATTATTAAG | TTTGAGGGCT | TATGATATGT | CAGTTACATT | 95760 |
| TCTAAGATTT | TTTTTTTTTT | TTTTTTGAGA | CGGAGTTTCA | CAC TTGTTGC | CCAGGCTGGA | 95820 |
| GTGCAATGGT | GCGATCTCGG | CTCACCGCAA | CCTCCGCCTC | CAGGGTTCAA | GCAATTCTCC | 95880 |
| TGCCTCAGCC | TCCCCAGTAA | TTGGGACTAC | TGGCAAGCGC | CACCACGCCT | GGCTAATTTT | 95940 |
| GTATTTTTAT | TAGAGATGAG | GTTTCTCCAT | GTTGGTCAGA | CTGGTCTCGA | ACTGCCGACC | 96000 |
| TTGGCTTAAA | AATCTACATT | CTTTTTTTAA | TTATAAAACT | ACCACATCCC | CCAAAAACAT | 96060 |
| TACTAAGGAA | TTGAGGCTGC | AGTTTAAGAA | GCTGATATTT | AGGATCTATC | TCCGGAGAAG | 96120 |
| TGAGACCTGG | TAATATAAGC | ATTTTCAAAA | TGAACTTTTG | GGCCAGGTGA | GGTGTGTCAT | 96180 |
| GCCTGTAATC | CCAGCACTTT | GGGAGACCTA | GTCAGGCAGA | TCACTTGAGC | TCACAATTCTG | 96240 |

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|------------|------------|------------|------------|------------|------------|-------|
| AGACCAGCCT | GAGCAACATG | GCGAAATCCA | GTCTCTACAA | AAAATTAGCA | GGGCGTGGTG | 96300 |
| GCATATGCCT | ATAGTTCCAG | CTACTATAGA | GGCTGAGGTG | GGAGGATTAC | TTGAGCCCGG | 96360 |
| GAGGCAGAGG | TTGCAGCAAG | CCAAGATCGC | GCCGCCACAG | CCTGAGCGAC | AGAATGAGAT | 96420 |
| ATGCACCCAC | GCCCTAAAAA | AAAGCATGAC | TCATTAAAAA | AAAAAAATTT | AGCCGGTCGC | 96480 |
| GGTGGCTCAC | GCCTGTAATC | CCAGCACTTT | GGGAGGCCGA | GGCGGGCGGA | TCACGAGGTC | 96540 |
| AGGAGATGGA | GACCATCCTG | CTTAACACGA | TGAAACCCCG | TCTCTACTAA | AAATACAAAA | 96600 |
| TAATTAGCTG | GGCGTGATGG | TGGGCGCCTG | TAGTCCCAGC | TACTCGGGAG | GCTGAGGCAG | 96660 |
| GAGAATGGCG | TGAACGCGGG | AGGCGGAGCT | TGCAGTGAGC | CGAGATCGCG | CCACGGCACT | 96720 |
| CCAGCCTGGG | TGACAGAGCG | AGACTCCGTC | TCAAAAAAAA | AAAAAAAAAA | AAAATTAAAA | 96780 |
| AAATATGAAG | TTTTGAAGCA | GAAATTATTT | TGTCGTATGT | TCTTTCATAA | ATTTTTTGCC | 96840 |
| TGCCTGCCTT | CTTCCTTTGT | TACAGAACTC | CAACACTTAC | CCAAAGGTAG | CTGTTGGGTC | 96900 |
| AGGGTTTCTG | TACTATAGTC | CCTTCTGTGG | TGGCCAGAAA | TATGTTACAG | GAAAGAGGTC | 96960 |
| CCCATCCAGA | CCCCAAGAGA | GGGTTCCTGG | ATCCCGCGCA | AGAAAGAGTT | CAGGGTGAGT | 97020 |
| CCGCAGTGCA | AAGTAAATGC | AAGTTTACTA | AGAAAGTAAA | GTGGTGAAAC | GACAACTACT | 97080 |
| CCATAGACAG | AGCAGGACAT | TCCCGAAAGT | AAGAGGAGGA | AGGCATCCAC | CCTAGGTACA | 97140 |
| ATACTTGTAT | ATATGGGGAG | ATGTGCTCTG | CTACAAGTTT | GTGATAAAGG | ATTAATTTTC | 97200 |
| TTAGTTACTA | TATTTTGCAA | GAATCAACAT | TATTATCTTT | AAACAAAATT | AAGAATGCCT | 97260 |
| TTGTTCTCCA | GATATAGGGA | TATCTGGACA | CTCCTAAGTC | TGAGTCTGTT | TAGTAAACAT | 97320 |
| TATTTATTTG | TTCCCTTAAC | CGTAAACATC | TAGAAGCTAG | GAATGACTGA | CTTCTGGGA | 97380 |
| ATGCAGCCCA | GAAAGTCTCA | GCCTCATTTT | CCTAGCCCTC | ACTCAAAATG | GAGTTACTCT | 97440 |
| GGTTCAAGTA | ACTCTGACAC | TTTTCTTCTC | TTTTTTTCTT | CTTTTTTCCT | TCCTTTATTT | 97500 |
| TTTATTTTTT | ATTTTGTAAA | TAAGAAATCA | AGAATACTTG | ATGTTTCATC | TAAAACAATA | 97560 |
| CCCATAATTG | ATAAGCCAAA | ACAAAAACCT | AGGTCTTCTA | ACTCAAAACT | AGGATGTTTT | 97620 |
| GCTGTCTCTG | CTGATACTCG | GCTGATCGTT | AATAGGTAAT | TAACAAACAA | GCCTTGCTAT | 97680 |
| GTCCCCCTCA | GTTTATTACC | ATTAGATCAT | ATGCCTACTG | TCAATCATAT | TAATCCACAA | 97740 |
| CTATGCATTT | CACAAAACCT | GCCATAAAAA | TTCACAGGTT | TCCCGCTTCC | CTCGAGTTTT | 97800 |
| CATTTCCGAA | GGGTCCCATG | TAATATAAAA | CTTATATTAA | ATACATTTGT | ATGCTTTTCT | 97860 |

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| CTTGCTAATC | TTTTTTTTTG | TTTTTTGAGA | CTGAGCCTTG | CTCTGTCACC | CAGGCTGGAG | 97920 |
| TGCAATGGCG | CGATCTCGGC | TCACTGCAAC | CTCCGCTTCC | CAGGTTCAAG | CGATTCTACT | 97980 |
| GCCTCGCCCT | CCCGAGTAGC | TGGGACCACA | GATACGTGCC | ACCATGCCCC | GCTAATTTTT | 98040 |
| GTATTTTTAG | TAGAGACAGG | GTTTCACCGT | GTTGGCCAGG | ATGTTCTCAA | TCTCCTTACC | 98100 |
| TCGTGATCCG | CCCGCCTCGT | CCTGCCAAAG | TGCTCGGATT | ACAGACGTGA | GCCACTGCAC | 98160 |
| CCGACCAATC | TGTCTTTTTG | TAGAGGGGCC | TCAAGCATGA | ACTTACTGAT | GGGTGAGAAA | 98220 |
| AACAGAATTT | TCTTTTCCCC | TACAATATAA | ACATTAATTG | TAATGTTATC | ATTCAGGACA | 98280 |
| TTTTGGTGAC | CAATCTTACA | GAAATTTTAT | CTTGTGCAAG | TCTATGCAAA | CCAATATGTA | 98340 |
| AATCTTCTAT | AAGTGAGATT | GTATTTCACT | TTTCTAGTAT | CCTTTTAAAT | TAATAAAAGA | 98400 |
| GATTCTAATG | ATTATTTTCA | TTACTGCATT | TCATTGTAGG | GAAGTAGATA | ATTGCCCTTT | 98460 |
| ATTCACTGAC | CTTCGCTTTT | TAAAAATTTA | AACCATGTTA | CCATGAAAAT | GCTTTTCAGT | 98520 |
| ATTTCTCTAC | ACACAAGATT | GCTGTAAGGG | CAAAAATAGA | GATAGGAATC | ATGCATCCAT | 98580 |
| TGATATACAT | ATTTTGATTT | TTAATACATG | TTACCAAGTT | GCCTCCTGAA | GGTCTGTTTA | 98640 |
| CACTCTCACC | AACAGGGTGT | TTTTTCCTGA | CTTCCACAAA | TGCTCTTGAA | CAGTGGGTGT | 98700 |
| GTTAGTCTGT | TCAAATTGCC | GACATGAACA | ATTAAATCTC | ATTGTTGTTT | TTATTTTTTAA | 98760 |
| GACAATTATT | GTTTGAGACT | GCACATTTTG | ATAATAACAT | TTCTTCTATT | ATGGTTTGAT | 98820 |
| TACTCATGAT | TCTTGCCCAT | TTTCTTTTGG | GATGTTGCCT | TATGTACATT | ATTTTAAATA | 98880 |
| GATAGCTCCA | TGTATTAAAA | GATTATTAAG | TTTGAGGGCT | TATGATATGT | CAGTTACATT | 98940 |
| TCTAAGATTT | TTTTTTTTTTT | TTTTTTGAGA | CGGAGTTTCA | CAC TTGTTGC | CCAGGCTGGA | 99000 |
| GTGCAATGGT | GCGATCTCGG | CTCACCGCAA | CCTCCGCCTC | CAGGGTTCAA | GCAATTCTCC | 99060 |
| TGCCTCAGCC | TCCCCAGTAA | TTGGGACTAC | TGGCAAGCGC | CACCACGCCT | GGCTAATTTT | 99120 |
| GTATTTTTAT | TAGAGATGAG | GTTTCTCCAT | GTTGGTCAGA | CTGGTCTCGA | ACTGCCGACC | 99180 |
| TCAGGTGATC | CACCCGCCTC | GGCCTCCCAA | AGTGCTGGGA | TTACAGGTAT | GAGCCACTGG | 99240 |
| GCCCCGCCAC | ATTTCTAAAT | TCTTTATAAG | TATAAATTCA | TTCAATCTTC | ACCAAAACTC | 99300 |
| AATGAAGTGT | GAGTACTATT | ATTATCATTG | TTTTACAGAT | CAAAACAAGT | AATACAGTCA | 99360 |
| CTTACTGAGT | TCTATACACC | TGGTAATTTT | TTTGTTTCGT | TGTTCTATCA | ATTATTGGGG | 99420 |
| AAGGGGTGTT | GAAATCTCTA | CCTTTAAATC | ATGTATGTGT | CTATTTCTCC | TTTCGGTTCT | 99480 |

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| ATCAGGTTTT | GCTACACATA | TTTTGCAGTT | CTGTTATTTG | GTGCATATAC | ATTTAGAATT | 99540 |
| GCTTGTTTTT | CGTATTGGAT | TGACCCTGTT | ATCATTATGT | AATATCCCTG | TCTGTTCCCTA | 99600 |
| GTAATTTTCT | TTGCTCTGAA | ATATACTTAT | CTGATATATC | ATCCAAAAGA | CCACCAGGAT | 99660 |
| GGCTAAAGAG | TAGAAAGGAG | AGATTTACTG | GCAATACTAA | TTTGCAAGCC | AGGAAGAGAT | 99720 |
| GGTCCCAGAA | CCTGCCAAAA | TTACTCTCTC | TTTGGGGAGA | AGGAGCAGGT | TGGTTATTTT | 99780 |
| TATGCCTCAT | AGGCTATATA | TTACACAATA | GAGTCATACA | TATTTAGCAC | GTTTGGGGGG | 99840 |
| ACAGCTATAT | ATATTATGAG | GGGTGCCAAG | TGCATTACACA | ATGGATAAAC | ACGTGTAATA | 99900 |
| TACCTCCCAT | GTTCACTTCG | AGGTTAAATT | TTGGTTAAAA | TGAGGTAGAA | TTTAGGTCTT | 99960 |
| TACATCACAA | GGTGAACAT | AGGAACAAAG | TTTACGTGCT | GCCTCTAGCA | GCTGGCTGAA | 100020 |
| AATGGCTTAA | GGTCTACAAT | TACGTGTAAG | AATAGAATGT | GTGTCAAGGC | GGTCCTCTGT | 100080 |
| CCAATCAGAG | TTGTAGTGGA | CTGGACTGTA | AATCAGAGTT | AGGAGGGCTT | CTGATAGCTC | 100140 |
| CTATAGTTAA | GGAATTTAGC | AAGTGTGAGT | TTTTTGGTAG | TCTTTGGAAT | TTAGGAATTT | 100200 |
| GCCATGCCAG | CCAAGCCATG | AATGCTCTAC | CAGTAGGTAA | CTTTGTTTGC | TTAATCTTAG | 100260 |
| AGTCTGTCTT | AGTTGGTATA | GGGGCATCTA | TTTTGGTCTT | TCAGATCCCA | GATATTATTA | 100320 |
| ATACAGATAC | TCTTGCAGTT | TTGGGCTGAT | GTTTATATGG | CTTATCTTTT | TTGCAGCCTT | 100380 |
| TAATTTCAAC | CTGCGTTATG | TTTATATTTG | AAGTGAGATT | CTTGCAGACA | GTGTACAGTT | 100440 |
| GTTGTTTTTT | TTTTTTTTGA | GATGGAATTT | CACTCTTGTT | GTCCAGGCTG | GGGTGCAGTG | 100500 |
| GCACAGTCTC | AGCTCACTGC | AACCTCCGCC | TCCTGGGTTC | AAGGGATTCT | CCTGCCTCAG | 100560 |
| CCTCTTGAGC | AGCTGGGATT | GCAGCCATGC | GCCACCACAC | CCGGCTAATT | TTTGTATTTT | 100620 |
| TAGTAGAGAC | AGGATTCACC | ATGTTGCCCA | GGCTGGTCTC | GAACCTCTGA | CCTCAAGTGA | 100680 |
| TCCGCCAGCC | TCGGCCTACC | AAAGTGCTGG | GATTACAGGT | GTGAGACCTC | GCGCCCAGCC | 100740 |
| AAACTGTTTT | TTTATGGGTG | TATTTATACC | ACACACATTT | AATGCAATTA | TTGATATCTT | 100800 |
| AGGGCTTAAG | TTCATGAAGG | GTAGTGTTGG | AACCATAGTC | TCTTGGCCCA | CTAAATGTTT | 100860 |
| GCCAGAAATC | ACTGACAAGG | CAGATTGATT | AATAGGTGAA | AAGGCATTTT | ACCTATTGTT | 100920 |
| TAACGTGTCT | ATGTGGGAGC | ATTCAGAATT | AATTACCTAA | CTTCCCAATG | AGTTATAGAT | 100980 |
| GCTTATATAC | CATTTTTAGA | TCACAGAAAG | AATTGGGGCT | TAGATTCTGG | TAAAACAGGT | 101040 |
| TATGGGAGGC | AAAAGAGGTT | TGGCTTGCAA | AGGTGGCCTT | GTTAGGTAGG | TGAAGCCTCC | 101100 |

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| CTCAGAAAGA | ACAGATGGTA | AATGTTTCTT | TTATGATTTT | TAAGTGTGAG | ACTCTCAGTC | 101160 |
| TCTCCTGGAT | CTGGGGAAAG | GTATAGAAAG | GTGAGGAGGC | ATGGCTGCAT | TAATGGAGAT | 101220 |
| TCTCTACAGA | TGTAAAATTT | TTCCCATTTA | AGGCAGCTTT | GCAAGCCCAT | TTCTGCCTGC | 101280 |
| TGGCCAAGCA | GCAGCCATTT | CAAAATATGT | CAAAGAAATA | TATTTTGGGG | TAAAATATTT | 101340 |
| TGATTTCTTT | TAGACTGGTG | GCCTTATAAG | AAAAGGAAGA | GACACCTGAG | CTGACACACA | 101400 |
| TACCCTTGCT | CTCTCAACAT | GTTATGATGC | AGTAAGAAGG | CCCTCACCAG | ATACTAATTC | 101460 |
| CATGCCCTTA | GCTTCCCAGG | TTCTAGAACA | GTAGGAAATA | AATTTCTTTT | CTTTAAAAGT | 101520 |
| TAGCCAGTCT | GTGGTATTCT | GTTATAGTAT | CACAAAATGG | ACTAAGTAAC | TATATTATGA | 101580 |
| TCATCTTACA | TGACTGATCC | CTCCTACATC | ATACACATAC | ACAGGCCACA | TTTGGACAT | 101640 |
| TGTTAGAGGT | TCCTCTACCC | AGTACAAATG | TACTACAAAT | TATATATGTA | TTTTTAAATT | 101700 |
| TTTGAGTATC | TTCAATAGTA | TATTTTCGTT | AACTTTTGTA | GTCAAAATGT | CATTATAACA | 101760 |
| TGTATTCAAT | ATGCATAATT | ATTAGTCAGA | TGTTTTACAT | TCTTTCTTCA | TACTAAGTGA | 101820 |
| TATGGTTTGG | ATATTTGTCC | CCTCTAAATC | TCATGTTGAA | ATGTAATCTC | CAATGTTGGA | 101880 |
| AGTGAAGCCT | GGTGAAAGGT | TTTTGGATCG | TGAGGGTGAA | CCCCTCATGA | AGCGCACTCT | 101940 |
| TCAGGGTAAT | CAATGGGTTC | TCACTTTGAG | TTCACAAGAG | ATCTGGTTCT | TTAAAAGAGT | 102000 |
| GTGACACCTC | CCCCATCTCT | CTCGCTCAGC | TCTCACCATA | TGATATGCCT | ACTCCCTCTT | 102060 |
| CACCTTCCAC | CATGATTGGA | AGTTTCCTGA | GGACTTGCCA | GTAGCAGATG | CCTGCACCAC | 102120 |
| ACCTCCTGTA | CAGCCTGCAC | AACCGTGAGC | CAAAAAAAT | TACTTTTCTT | TATAAATTAG | 102180 |
| TCAGTTTCAG | GGATTCCCTT | ATAGTAATGC | AAGAACGAAC | TAACACACTA | AGTCTATTTT | 102240 |
| ATATTTACAG | AATAGCTCAA | TCTGAAGTAC | CCTTTTTCAA | CTTCACAGTA | GCTACTTGTA | 102300 |
| GCTAGTGGGC | ACTGATTTGG | AGCGTGTTCA | AGGGTGAATT | GTATTATGCA | ATTAACAGAT | 102360 |
| TTTTTTTATT | GTTTTGCAA | ACCACGAGGC | ATAGATTGTC | TTACTTTCTC | TGCTCCTGGT | 102420 |
| GTTGGAGTTG | TTATTGGGAA | ACAACCTTATT | TTCTCTTAT | ATTTATATGG | AATAAATAAC | 102480 |
| CCCCAATATT | TCCCTCCCCA | ATATCTGCCT | TTTGTATGTT | TTTTGAAGGC | AAGTGCCTAG | 102540 |
| AATTTACTGT | TTTTGAAGCA | CTTACTGAAA | GGATTGCCAT | CAAGTTGTTT | TGCTAATAGT | 102600 |
| ACATGCCAGG | CGCTTGTTGG | TTTGCTTAAT | TCAAGGTAAC | TTGGATGAGA | AGAAGAGTTT | 102660 |
| TTCTCATCCA | TGGCTCAGTG | GAGTATAGAT | TACTGATATT | GTGACTGGAT | GTACTCCTGC | 102720 |

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| TTTCTAGTCT | GAGTTTTTGA | AGCTACCCTT | AATCTTGGTT | TCAATTTTAT | CTAGCCCTGT | 102780 |
| ACATATCCAA | GGCTCTTTCC | AAAATGGTCT | ACGATTTGTT | TAGGAAGTTA | GAATAGCTGT | 102840 |
| ACTTTCTGAA | CCACGGTTCC | TGACATTTTC | TGGACTTCAA | ACACATCCAG | CATTTTATCG | 102900 |
| AAGTATTTAT | CCTTCCTACT | TGGCTGGCTT | CTTCCTTGCC | TTCAGGTCTG | AATTCAAATG | 102960 |
| ACATTCTCCT | GATGAAACTT | TCCATCCTTA | TTTCTATTCT | TTTTTCTTAT | CCCCTTTCTT | 103020 |
| TATTTTCTC | CACAGCACTC | ATCACTTATC | TCTACATTTT | CATTATGTAT | TTACCTTATT | 103080 |
| GTGCACCTCC | CACTACAAGA | CAAGTAGCAC | CGTAAGGAAA | CAGGTTGTCT | GCTTTTTTCA | 103140 |
| TGCTATGCTC | CCTGCACCTA | GAACACTCTC | TGGCACTTAG | CAGGTTTTCA | GTAAATATAT | 103200 |
| GCTGAACTAA | TAATGCTGGA | TATACATCTC | CCTCATGAAC | TCTCTAAATC | CTTCTAATTT | 103260 |
| ACATTGATCA | ATCTTCTTTT | CCATGTGCTT | TTGTATGATT | TATTGCTCAA | AATCTTTATT | 103320 |
| TTGTATGCAG | AACGTGCACT | GCTATTTAAT | CTTCATGTAC | GTAAGTCCTC | CCTTCTCTGA | 103380 |
| GTATAATCTC | TTCAGGGCAC | TATCTGAGAT | AACTTTTTAA | CATCTCCATC | ATGAATCTTG | 103440 |
| TACCTTTTCA | AAGAAAATGA | GCCAGTGATT | ACTGATGTTT | ACGGCTATTG | TTGAGGGTGA | 103500 |
| AGATCATTAT | AATTTTGAAA | AGGGAAGTTG | AATATTGTGA | AGGGAAAGAT | AACACTAGAG | 103560 |
| TCAGAAGACT | TGGGAGAAGG | CAAAAAACAA | ACTAAAAATG | AGCACTTTTA | GTCTCCTGAC | 103620 |
| AGTTTCTCTG | AATCAAATCC | ATAGTTCTGT | GACAGCGTTG | GCTTAGAAGC | AGATTTTTTTT | 103680 |
| TTTTTTTTTTT | TTGAAATGGA | GTTTCGCTCT | TGCCCAGGCT | GGAGTGCAGT | GGCACGATCT | 103740 |
| CGGCTCACTG | CAACCTCTGT | CTCCAGGGTT | CAAGCGATTG | TCCTGCTTCA | GCCTATGGAG | 103800 |
| TAGCTGGGAT | TACAGGCTCC | CACAACCACG | CCCAGCTAAT | TTTTTGATT | TTTAGTGAAG | 103860 |
| ACTGGGGTTT | CACCATGTTG | GCCAGGCTGG | TTACGAACTC | CTGTTCTCAA | GTGATCTGCC | 103920 |
| CGCCTTG GCC | TCCCAAAGTG | TTGGGATTAC | AGGCATCAGC | CACCGTGCCC | AGCCAGGAGC | 103980 |
| AGATTTTTTTT | ACACTCATGT | TTCTTTTTTCC | TTCTGTCATC | CTGTTTCAGT | ATAAGCAGAC | 104040 |
| CACAGATAGA | AGTAGTAGAT | ACCTCAGAAA | TTCTGGAAT | AATTAATCCA | CGTTCATCTG | 104100 |
| TACTCCATCT | GCTCCTATCT | CATGGAATAT | AAAAGGAAAA | ACACCAAGAT | TTCCCTAGGC | 104160 |
| AATCTGTCTT | GATTTTAGGT | TCCTCAACAG | GAGAGCCAGA | CAATGGCTGT | AATAATATTG | 104220 |
| TCCCGGCCAA | GGAAAAACTT | CCCCTTTGCC | CTCCCAAGGT | TTATGGAAAA | TTACTGGCAA | 104280 |
| AACACAGATT | AACTGGAGAA | AAGGCATATA | TATTTATTTT | ATCACAATTT | TACAGGAGAT | 104340 |

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| TTTAGAATTA | AGACTGAAAG | ATACAGGGGA | AATTGCCCAT | TTTTATGCTT | AGGTTCAACA | 104400 |
| AGATAAACAG | CTGTATAGGG | TACGATCTAA | TGCTAACAGA | CTGAGTGGGG | AAGCCCCGCA | 104460 |
| AGGCTTGTCT | GTCAAGATTC | TTCTTGACCT | CTCAGTGCAG | CATTTCTTCC | TTCTGGTTAT | 104520 |
| AGGACAAGAC | TCTCTTTTAG | AATGGGGGGT | CTTATGACCT | ACAGGCAAAC | AAGGTAGGTT | 104580 |
| AGAGTAATAT | TTTTAGGTTT | TATGGCTGGT | TCTAGGGAAA | AGGAGTTCTG | GTTTGTATGG | 104640 |
| CCTACCTTGA | GGAGGAATTC | TGGTTTCTAT | GGCTAGACTT | TGGGGAGAAT | GGGACTTACA | 104700 |
| GACAGGAAGG | CAGAAGGTGG | TCAGTGAAAC | ACTTTTATAA | TCATAATCCC | ATTTTGAGTA | 104760 |
| TTTCTGTGTT | ATGGAATGTT | TGTTCTCTCA | TTTCCTGAAA | GATTCCAGAG | ACTCCTCATT | 104820 |
| CAGTGTGTG | AAAAAGTTCA | GGAAATGCAA | CTCAAAAATG | TGCCACTTTG | TTACGCTGAT | 104880 |
| TTCTTTGAAC | TGAGGGCACC | TAGGAAACAG | TAAATTCAAG | GAAGGGCTTT | CGCTGAACTC | 104940 |
| TAATCAAAAA | TTTGAAAATT | AAAAAAAAAT | TCAAAAAGGA | ATTTAGTTGT | TAAGATTCAC | 105000 |
| TTCCCTGGGG | AATCTCATCA | ACCAGAGAAG | ATTAAGTGT | TCACAGGAGA | GGAGACTGGT | 105060 |
| GGTTAACACC | ATCTAAACAG | ACTTTGTCAC | AGCTGTCACC | TATTCTTTGA | AACACCCATT | 105120 |
| TATTTTTCTC | CAAAATCATA | TACTCTCCCC | TAAGTTGCCT | ACATCCCCCT | TCTTTCTCCC | 105180 |
| TTATGAATCA | AGAGAGCTTA | TAAGCTTCTA | CAGTTCCTG | GGATTTGGGG | TATTCGCTTT | 105240 |
| TCTTCCCTCC | CACTCCCCCT | CCCCTTTTTT | TGTCTTTGAG | ACACAGTCTT | CTGGCTCTGT | 105300 |
| CGCCCACGCT | GGAGTGTGGT | GGCTCTATGT | GAAGTCACTG | CAACCTCCTC | CTCTCGGGTT | 105360 |
| CAAGCGATCC | TCCCACCTCA | GCTTCTCGAG | TAAGTGAAC | TACAGGCGTG | CACTACCAAG | 105420 |
| CCCGGCTTTT | TTTTTTTCTT | TTTCTCCCCC | GTTTCTTTTT | TGGTTATTTT | ACTGGAGACA | 105480 |
| GGGTTTCTCC | ATGTTGTCCA | CGCTGGTCTC | GAACGCCTGA | CCCGCCGTCC | TCGGCCTCCC | 105540 |
| AAAGTGCTGG | TATTACGGGC | ATGAGCCACT | GCGCCCGATT | TGAAGGACCT | CTTAAATATC | 105600 |
| TATTTAGAAA | TTGGTCGGAG | TCCACTCCTT | TCCAAAAACA | TGAGTCACAA | TCCGGGAAAA | 105660 |
| GCACGAGCGG | CTGAAAGTCA | AAATAACCAG | AACAAAACCT | CCACTCATGC | TTAAAAAAGG | 105720 |
| TATTTTGACA | AAATCCTAAT | TCGGCCAATT | ATTATTAGTA | TTCAAGTCGA | AGGCTCGTCA | 105780 |
| AGCCAGACTG | GGGATTGGGT | CAAACATAAA | CCTTACACCA | GACGGAAGGA | TTACATGCAA | 105840 |
| ATGAAGGATG | CAGATTCTGA | TTTCCCATTG | GGTATTTGAC | ATTAGCCAAT | GGGAGAATTC | 105900 |
| CTCACAGCCT | ACCTCCAGTC | AGTATAAATA | CTTCTCTGCC | TTGCGTTCTA | ATGTAGTTTC | 105960 |

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| ATTACATTTT | CTTGTGGCGA | TTTTCCCTTC | TTATCAGAAG | TAGTTATGTC | TGGTCGCGGC | 106020 |
| AAACAAGGCG | GTAAAGCTCG | CGCCAAGGCT | AAGACTCGGT | CTTCTCGTGC | AGGTTTGCAG | 106080 |
| TTTCCTGTGG | GCCGAGTGCA | CCGCCTGCTC | CGCAAAGGCA | ACTACTCCGA | GCGCGTCGGG | 106140 |
| GCTGGCGCGC | CGGTGTATCT | CGCGGCGGTG | CTTGAGTACC | TGACCGCCGA | GATCCTGGAG | 106200 |
| CTGGCGGGCA | ATGCGGCCCC | CGACAACAAG | AAGACCCGCA | TCATCCCGCG | CCACCTGCAA | 106260 |
| TTGGCCATCC | GCAATGACGA | GGAGCTTAAT | AAACTTTTGG | GGCGTGTGAC | CATCGCGCAG | 106320 |
| GGTGGCGTTT | TGCCTAATAT | TCAGGCGGTG | CTGCTGCCTA | AGAAAACTGA | GAGCCATCAT | 106380 |
| AAGGCCAAGG | GAAAGTGAAG | AGTTAACGCT | TCATGCACTG | CTGTTTTTCT | GTCAGCAGAC | 106440 |
| AAAATCAGCC | TAACAGCAAA | GGCTCTTTTC | AGAGCCACCT | ACGACTTCCA | TTAAATGAGC | 106500 |
| TGTTGTGCTT | TGGATTATGC | CGCCCATAAA | GATGTTTTTG | AGGTGTTTTT | AATGGCTTTG | 106560 |
| AGTGTGGCAC | TTTTAGTAAT | TTGTCCTGCA | GAAATTAGAT | CCATAGAAAC | CTCAGGAATT | 106620 |
| CTAGGTATGT | GGGAGAAGTG | CCATGCAGCA | CAAAACATGT | TTACAGGGGT | GATTTCGCGTT | 106680 |
| AAGTTTCACA | CACAGCAGTT | ACTACATTTT | AGAGGAAGGA | AATTATACCC | ATGAGTGCAT | 106740 |
| TCCTAACTAT | CTTGAATGGA | AGTGTTAAAA | CCCGCATGCC | CCACACAAGT | TTGAATATGT | 106800 |
| CATACCATTT | GCTGTAGCAA | TTAATGGCAT | ACACAATTGA | GAGCACACAC | ATTACCACTG | 106860 |
| AACATTTGAG | TATGTATTTT | CCAAAATGAG | CTTTTTTCCA | GTTTGGGGAT | GTTTTGCTTT | 106920 |
| GTTTTGGGGT | GGAGTCTCCC | TCTCGCCCAA | GCTGGAGTGC | AGCGGCGTGA | TAACAGCTCA | 106980 |
| CTGTAACCTC | GAAGTCGGGC | TCAAGCGATC | CTCTTGACAG | CCTTCTGAGT | AGCTGGGATT | 107040 |
| ACAGGCGAGA | GCCGCCACGC | CCGGCTAAGA | GCATTTTTCT | AATTGCCAC | ACTTCTTATG | 107100 |
| CGACACCCAG | AAAAATACAA | TTTTAAATAA | AGCGCATATG | CAAATTTCCC | TAATCGTCTC | 107160 |
| CAATATTCTC | TGATTTCTTT | TTTATATTTT | AACTAGAAAC | AATTGGAGGT | TTCCGCGTTG | 107220 |
| CTTTGTGTGG | TTGTAAATTT | TAAGACTTCA | GGAACTTTT | CCAGTACAAG | ACTTGTCCAC | 107280 |
| AGTGGATATA | GCAGCTAAGG | GGTTAACAAA | ATGACGTCAG | AGTAGCTACG | GTAATGGGCA | 107340 |
| GGAGCCTCTC | TTAATCTGCA | ACCAGGCACA | GAGATGGACC | AATCCAAGAA | GGGCGCGGGG | 107400 |
| ATTTTTGAAT | TTTCTTGGGT | CCAATAGTTG | GTGGTCTGAC | TCTATAAAAG | AAGAGTAGCT | 107460 |
| CTTTCCTTTC | CTCCACAGAC | GTCTCTGCAG | GCAAGCTTTT | CTGTGGTTTT | GCCATGGCTC | 107520 |
| GTAATAAACA | GACAGCTCGG | AAATCCACCG | GCGGTAAAGC | GCCACGCAAG | CAGCTGGCTA | 107580 |

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| CCAAGGCTGC | TCGCAAGAGC | GCGCCGGCTA | CCGGCGGCGT | GAAAAAGCCT | CACCGTTACC | 107640 |
| CCCCGGGCAC | TGTGGCTCTG | CGCGAGATCC | GCCGCTACCA | AAAGTCGACC | GAGTTGCTGA | 107700 |
| TTCGGAAGCT | GCCGTTCCAG | CGCCTGGTGC | GAGAAATCGC | CCAAGACTTC | AAGACCGATC | 107760 |
| TTCGCTTCCA | GAGCTCTGCG | GTGATGGCGC | TGCAGGAGGC | TTGTGAGGCC | TACTTGGTAG | 107820 |
| GGCTCTTTGA | GGACACAAAC | CTTTGCGCCA | TCCATGCTAA | GCGAGTGACT | ATTATGCCCA | 107880 |
| AAGACATCCA | GCTCGCTCGC | CGCATTGCGC | GAGAAAGAGC | GTAAATGTAA | AGTTACTTTT | 107940 |
| TCATCAGTCT | TAAAACCCAA | AGGCTCTTTT | CAGAGCCACC | CACTTATTCC | AACGAAAGTA | 108000 |
| GCTGTGATAA | TTTTTTGTTG | TCTTAACAGA | ACAAATTTCT | AAGGACCCCC | CCGGAAAGCA | 108060 |
| TTAGACTATG | GTCTTAAAGT | TGATTAACAG | AAATAACGGT | TTGGTCAGTC | TTGCAGTGTA | 108120 |
| GGTTATTTCT | GACCTTATTA | AGGTGCTATT | TGGAGAGAAG | CTGTGTAAGT | CCACTATCAT | 108180 |
| TCAGGCCTCT | AGCTTGCTAT | GATTAGCATT | TGTTTAAACA | ACTTTGTAAG | AGTAAGGGAA | 108240 |
| AAATCTGGTA | AGTAGTTAAC | TGGCGCTTAC | TAGGCATTTT | TGCAAAGCTT | TGAAAAGATT | 108300 |
| AGAAAATTGT | GTCTTGCGAG | TTCCAGTGTC | TTCCTCAAAA | TGCTTAGGAA | GATTTTCTCA | 108360 |
| GCTCAATACA | TAGTCCCCTA | GGTTTTCTCA | TATATTATAT | ATATATATAT | ATATATATAT | 108420 |
| ATATATATAT | ATATACTGTT | AAATTCATTT | GGCTGTTAAC | ATTAACCTGA | AATTTATTCT | 108480 |
| GGTGCAAAAT | GTGAGGCAGG | GATCTAACTG | GCTCTCATTT | TATCCATAGC | TAGCTACCCA | 108540 |
| CTTTAAATCT | GTCAGTCTGT | CGACCAAGCA | TAATTTAATC | CCTTATATAT | GAATTTTTAT | 108600 |
| ATGTGTGGCT | TTGCTTGTA | ATAGTCTATC | TGGTTGCATT | GCTTTGTCTC | CTCTAGGACT | 108660 |
| ATGCACCATG | ACATGCCACA | TTCTTTTTTT | CAGTACTTCT | TGCCTGTAGT | TATTAAAATC | 108720 |
| TAGAATTTAC | AAGTTTTAAC | CATTTTCTTT | CTGTTGATCT | TGCTTTTCGG | TTTTGGAGGT | 108780 |
| TGGGGATTGA | GTA CTGGAAG | AAAATTTAGA | GGGATGGGAA | TACTGTACGC | AAACAAAAGT | 108840 |
| AATATTTACT | TTAAAATTTT | TATATTTTGT | ATTTTTTTAT | CATATAGCTT | TTACATCACA | 108900 |
| TTTTACAGAC | TAACTTTAGA | ACAACCACAG | AATGTCCAAC | ATTAAACTA | CTAATTCCAA | 108960 |
| AGACCTTGCC | TCACATTCTT | TTTTACAATA | AATATTTTTT | ACACCTAACA | TTCTTTCTTG | 109020 |
| GCCTACATCT | AGAATGTAAA | CTGATGTACC | ATACTAAAAT | CGCCTGACCA | ACTGTCAACA | 109080 |
| ACAACAAATC | ACACACACAA | AAGATCAAAT | TTGAATTGCA | TCGTTTACTT | AAATTCATTT | 109140 |
| GTGTTCCAGC | TTTTAATAAG | GCAGTTTTTG | GTTTATAAAG | TAATATTTGC | ATTTTAAAAA | 109200 |

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| TTATGAAAAT | GAATATGTCA | TTTTGTTTTA | TGATTCGTTT | TTCTTGACTC | TTATACAAGC | 109260 |
| GA CTCTAACT | GGCATAGACA | TTTGTTATCC | ACAGACAGTA | TAGATATGTT | AGAGATGCCA | 109320 |
| ATGGACTTGG | TCTATGCCAA | GGTGACTACT | CACAAGCTCT | GGGCCCAGCT | GAAGGTCAAG | 109380 |
| TATTTTTTTTT | CCAGTTATAG | ATGTGCTGGA | TCTGATGTAT | AGCGCTTGAC | TTTTTATATT | 109440 |
| TTCTTTTATCT | GTAGGAAACA | AATGTGTTGG | AGGTACTGGG | TCTGACGAAT | AGCATAAAAG | 109500 |
| AATAAAGTTA | CATTACTGTC | TGAGGATCAG | ATGGACAGGG | GGTGGTAGCT | CAGTCCAGCT | 109560 |
| ATTTTCCACT | CCCTCACTTA | CATTCTTTGC | CCCCTCCTCA | ACAGAACAAG | GATTCTGCTG | 109620 |
| TAACTCTTCA | TTGACAGTTG | ATATTTAAAA | ATTAACGAAT | GGATGAAATT | CTCATTTGTG | 109680 |
| AAAGAAAATT | TATTGAGCAT | TTTGTATTTG | TGAGTAGTGC | AAACATTTTA | ATATTATATT | 109740 |
| AAGAATCTAT | TGTTTTGTAT | TAGAGGAGTA | ATTAAGGAGA | GATTGGAGAC | AAAAAGGGGG | 109800 |
| TGTTGTTTGC | AGAATATACC | ATCCAAAAAT | AGACCACTGT | GGGATCAGGA | TTCTTTTGAG | 109860 |
| CTAAAGGCAC | TTCAAAAACA | GCATTCAAGA | AGGGAATTCT | TCTAAACTTT | TCTTTCTGAA | 109920 |
| AACAGGAGAT | AAAAGTTCCA | ATGTGAAAAA | TGCTCTGCTT | GTACCAGGTG | AAAAGACATA | 109980 |
| TTCTTCAGCC | CAGAGGCATA | GATGAGATAA | TTCTGCACAA | ACACAGCAGG | GAGTCATAGC | 110040 |
| CGAGAGACTT | CTATACACAA | ACAAACCTTG | TTAAAATAAT | CATATATTCC | TTTAATCTCC | 110100 |
| TCATATGGTT | TACTTTCCCA | CAATTGCCTC | TCTTTAACTT | AATGTGAAAG | CATTTAGCTT | 110160 |
| TTGCCATTTT | TTTGGGGCTT | CACTTTTTTA | TGAGGGTTCT | CCTGTCCCAT | AAAATTTACA | 110220 |
| TTAAATACAT | TTGTATGCTT | TCATTCTGCT | AATCTGTTTT | ATGGCAAATG | AATTATCAGG | 110280 |
| TCCAGCTGGA | GACCCTAACA | GAGTAGAGGT | AAAATTTTGC | CTCCCTACAA | GATAGAGATT | 110340 |
| GTGTGCATTA | AATGTTGTTT | GTTCCCAGTT | GTTCAGTTTG | TCAGGCCTCT | GAGCCGAAGC | 110400 |
| TAAGCCATCA | TATCCCCTGT | GAAGTGCACG | TATGCCTCTA | GATGGCCTGA | AGTAACTGAA | 110460 |
| GAAACACAAA | AGAAGTGAAA | ATGCCCTGTT | CCTGCCTTAA | CTGATGACAT | TACCTTGTTA | 110520 |
| AATTCCTTCT | CCTGGCTCAT | CCTGACTCAA | AAGCTCCCCC | ACTGAGCACC | TTGTGACCCC | 110580 |
| CACCCCTGCC | AGCCAGAGAA | CAACCCCTT | TGACTGTAAT | TTTCCACTAT | CTACCCAAAT | 110640 |
| CTTATAAAAC | GGACCCACCC | CATCTCCCTT | CGCTGACTCT | TTTCGGACTC | AGCCCGCCTG | 110700 |
| CACCCAGGTA | GAATAAACAG | CCTTGTTGCT | CACACAAACC | CTGTTTGATG | GTCTCTTCAC | 110760 |
| ACGGACGCGC | CTGAAACAGT | TTAACAGGGT | TTTTCTTGCC | CAGTCACAAC | AAAGTGATGT | 110820 |

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| TATGCTGCAG | GCTGAAGTTT | ACAGCTAATG | CTGTTGAAGT | CTAAAATCAG | TTTTGGTTTG | 110880 |
| TTAGATTTGG | GTGAGATGGC | TAAGATTCTC | AGAGAAAGAA | GTCAAGTTTG | GGGTGCATTT | 110940 |
| TTCAGACTTA | AAAATTTAGC | AGTAGCCCTT | GCAGTTTTTC | CAATAGAAGT | GATTTACGAA | 111000 |
| TGTTTTTCAGG | AAATTTAAAA | CAACAGTGAG | AAGCGTGTAT | GGAGAGTTGA | ACTACACTCC | 111060 |
| AGACTTGGCT | ATAGGAAAGC | ACGAATGCTG | CTATTGTATT | GCACCTTGGA | AAAGAGAACA | 111120 |
| AAGGAATATT | TTCGGACAAT | TTTAACATGT | CACATATGAA | AAGCTAAACG | GAATCTGTCA | 111180 |
| ACACCTTGTA | CGTTATTACA | GGCTGTGATT | TTAAAAAAC | AATCCTTACT | AATACATACA | 111240 |
| TAGTTGCTGC | TAGCAATATA | GTGTTGGGAG | TAAAAACACG | AAAATGAGAG | TTCAGGACAA | 111300 |
| TATCCCAACT | CTGAGCAGAT | TTTTTTAAGT | AGTAACATCT | AAAATTAAAC | CATATTATGT | 111360 |
| AATATTTATT | TCTTTTCCAC | AGTCTCTTCT | CATGCCTCGT | TCACATTAGC | TAATTTAAAG | 111420 |
| TCCCCTGAGT | ATCATCATAA | CCCGATTTAC | AGATGAAGGC | ACGGTTGCAA | TGAGCTATCA | 111480 |
| CCCTCTTCTG | AATGAGACAG | TACAGTGTGA | AGGATAGCAA | AACTCCACTC | CCATCCTCTT | 111540 |
| AGGGCTCTGG | CTGGACCAGC | AAATTAAATT | AATGTAAAT | GGATTAACAG | GAGAAAGGTA | 111600 |
| TATGCATTTA | TTTAACACAG | GTTTTACGTG | ACACAGGTGC | TCTCATAAGG | TAATGAAAGC | 111660 |
| CCAAAAAAG | CAGTTAGCTA | CTTATATAAT | GAATTGGACA | ATTAGTAAAA | TGTAAAAATG | 111720 |
| CGCTAAAGCA | AAGGGATTTA | GGCTAGAATA | TATAACTGTG | TAGAGAAGCG | CCCAGCAAGG | 111780 |
| GCTAGTGCAA | GGTTTGTACA | GAATTCTCTT | GGCCTCAGCC | TCCTATCCTT | GAGAAGAATG | 111840 |
| TTGCTTTTTT | TAAACTACAG | TGAGAACATC | TTTCATATGA | GAATTTACC | TACTGCTTCT | 111900 |
| AAGAAACAGG | TCAGCTTTCA | AGAAAACATA | AGGCCAGAGT | GATCTTTTCA | CGCCTGCTCT | 111960 |
| TTTAAGTACC | TTTGAATAGT | CAATATGTCT | TCAAGCACTT | GAAAGACTTA | AAAAGTTTAC | 112020 |
| CACTCCGGCA | TATTAGTGAA | AGCCCTTAAT | ATAAGCCCTT | ATTAAAATTC | TCAGTCGAGG | 112080 |
| GTATAAATTC | AGATTCAAAT | AGTAGTGTCG | TAAACGGGAG | GGAAAACTA | AAGGGATTAA | 112140 |
| AAAGTGAAAC | TATTGTGTTT | TCCCTCGCAG | TCCTTAGGTC | ACTGCCCCCTC | GAGGGGCGGA | 112200 |
| GCAAAAAGTG | AGGCAGCAAC | GCCTCCTTAT | CCTCGCTCCC | GCTTTCAGTT | CTCAATAAGG | 112260 |
| TCCGATGTTT | GTGTATAAAT | GCTCGTGGCT | TGCTTCTTTT | TCGCGTACCT | GGTTTTTGTT | 112320 |
| GTCAGCTGGT | TAGACATGTC | TGGTCGCGGC | AAAGGCGGTA | AAGGTTTGGG | TAAGGGAGGT | 112380 |
| GCTAAGCGTC | ACCGAAAAGT | GCTGCGGGAT | AACATCCAAG | GCATCACCAA | ACCGGCCATT | 112440 |

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| CGGCGCCTTG | CTAGGCGTGG | TGGGGTTAAG | CGAATTTCCG | GTTTGATTTA | TGAGGAGACT | 112500 |
| CGTGGCGTTC | TCAAGGTGTT | TCTGGAGAAC | GTGATCCGGG | ACGCCGTGAC | CTACACGGAG | 112560 |
| CACGCCAAGC | GCAAGACTGT | CACTGCCATG | GATGTGGTTT | ACGCGCTCAA | GCGTCAAGGA | 112620 |
| CGCACTCTGT | ACGGCTTCGG | CGGTTAATCT | TTTCGTCAGT | TTTCTTCCAA | TGGCCCTTTT | 112680 |
| TAGGGCCGCC | CACTCCCTCT | CAGAAAGAGC | TGTGATTGTA | TTCTTTCGGA | TGGTAACATC | 112740 |
| TCAATGGCTT | TACTCGGCTA | TTCTGCCTAG | TATGTAGAAC | TATTATAAAC | CAGTTGGGAG | 112800 |
| AGACCAGGTT | GTTTGGTCTG | AGTGGCTGCT | AAAGCAGAAA | TCAGCTAAGT | AAACGAGGTC | 112860 |
| TCCGAGATAA | GTGAGCTATA | AACTTCAATG | CTATAGTTTT | GACATGTCAA | GCAACTTAAC | 112920 |
| GTGCAGCGCG | AGTCCGATAA | ATGAGTAGCT | CAGCTTTTTA | GTTTTAAAAA | CGAGTTGTGC | 112980 |
| GTTATTTGTA | CGAGAGCCTA | AGATGCTAGC | TGCCTGGAAC | TGAGTAGGTG | GATTAAAATG | 113040 |
| GGTGTCAAGT | CTGTTTTCCC | AGGCGTATCT | GACTTAACGT | CAGCAAAAGC | TGTACTTTTA | 113100 |
| GCTTCCCTGG | TAACACCTGC | CGTCCTTAAC | CGCCCCCTGC | CGGTAGCGCC | AGAAGCCTTT | 113160 |
| ACTTCCATTT | CTAGTTGAGC | TTGGCGTCCT | GCTGAGTGAC | GTCACCTCCC | CCTTCTGTGG | 113220 |
| AGTAGGACTG | GCGGTTAAAG | CTGCTTTGCT | ATTTTCAGTC | CTCAGGCTGG | AGGCTCCCCT | 113280 |
| AAGCAGGCTG | CCTACGCAGT | TCGTAAATTC | CCACTTAGTA | GACTAAGGGA | GTCTGTTTTA | 113340 |
| TAAATAAGGA | CTCAAATTTT | TTCTGACTCC | GAGGTCCGTG | GCAGCAGCTA | TAAGATGGAA | 113400 |
| GCCCCCTCTG | ATGTAAGATT | CTCAGATGAC | TTGCATCTTC | ACTGTACCTG | TCAACCCAAT | 113460 |
| AGTCTTCTAT | TCCTGCCTTA | AATTGTAAAT | TCCAAAACTG | ATTTAATTGT | GAAAGTTTCA | 113520 |
| AACTGTACGA | CCTAGGAAGT | GTCAAAGTTA | GGTGACCAGA | TTTTTAGAAG | TCAGCCAAAT | 113580 |
| ATTCAGCATC | TTTGATTTAG | TAACAAATAT | ATTGATGGCT | ACTTCAGCAA | AAAAAATCAA | 113640 |
| CTTTGTTTTT | TGGTTACTTT | GCTAACAAGC | TTCTCCTGAC | AGGAGGATAT | AGTGAATAGG | 113700 |
| CAGTTGAATA | AGTGAGTTCG | GGTGAGAGGT | CTGAGCTGGA | GATAAAAATG | TGTGAGTCAT | 113760 |
| CAGCAGATAA | ATAAATGCTG | AGACCAGATG | AGATGGCTAA | AAACTGAAAC | ATAATGTAGT | 113820 |
| GCAGCATTGT | TTGTAATAGT | AAATGAGTGG | CAACTGTAAA | GTTTTTCATCA | GAAAGGACTA | 113880 |
| GAGTGATCTA | TACATCCATA | AAATAGAGTA | TTTCTCTACA | CAGCCCTACT | AAAGAATGAG | 113940 |
| AAAGCTGTAC | TCCACTACAT | ACTCTGGTGT | ACTCTGGCTC | AGTTCTTGGA | CTCCTCTTTT | 114000 |
| CTTGGCTAAC | TCAACTGGCC | TCACCACTTA | CATGCTCTGT | GCTCTGTCAA | ATAGTTTGTT | 114060 |

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| CAACAGAACA | CCACGGCCTA | GCTGTAAGTG | CCACGTTAAC | TTCTAGCAAT | GCCAAAGCCT | 114120 |
| GTGATAGTGG | CAGCTTCGGG | CTGTTTCTCA | TTCCCGGGAT | GCCTAACCAC | CTCTCCAAAT | 114180 |
| TCTATCAGTT | TGCTTCCACC | CACTTCAAGC | TTCAGAACGA | AACATAGAGC | TTAAGAAATA | 114240 |
| TAGGCCCCGGC | AAGGTGGCTC | ACGCCTGTAA | TCCCGGCACT | TTGGAAAGCT | GAGCCTGGTG | 114300 |
| GATCACCTGG | GGTCAGGGGT | TCGAGACCAG | CCTGGCCAAT | ATTGTGAAAC | CCCGTCTCTA | 114360 |
| CTAAAAAATA | AAAAAATTA | GCTGGGCATG | GTTGCGGGCG | ACTGTAATCC | AAGCTACTCG | 114420 |
| GGAGGGTGAG | ACAGGAGAAT | AGCTTGAACT | CGGGAGGCAG | AAGTTGCAGT | GAGTTGAGAT | 114480 |
| CGCGCTATTA | CACTTAGGCC | TGGGAGACAA | GAGTGAAACT | GTGTCTCTAA | ATAAGTGTTT | 114540 |
| GCAATTATAA | ACCATCTCCC | TGACCTTAAA | TCTCTAGACT | CATATACAAC | TGCATATTTG | 114600 |
| ATGTATCTAA | TTGAATAATG | GGCATCTCGA | ACTTGTCCAA | AATATGTTTA | TACGTAAACA | 114660 |
| CCAAGTCTGT | TCTTCCTCTG | ATATTTGTCA | TGTCAATCAA | TAGAACTCCA | TTCTTCAAGC | 114720 |
| AGCTTGGGCC | AGGAATTGTG | CAATATTGTT | TGTCCTGAGC | TTCTTACAAC | TTTCACCCAA | 114780 |
| TGCAGTCAGC | TCTGTTGAAA | ATCAATCAGA | ATACCTTTCA | TTGTTTTCTT | TGCTGCTTCT | 114840 |
| CTAGGAGCAA | GCTGCCATGG | CGGTTTGTCT | GAATGACCAC | AGTGACCCCA | AACTGGTCTT | 114900 |
| TGTTTTCACT | TTTAATCCCC | CTGTCATACA | GTTTTTCTCT | ATCCAGCATC | AACAGTGATC | 114960 |
| CTTTTTGAAG | GTATTATGTC | CACTGTCTGC | TGAAAAGATT | CCACTGGCTT | TCCATCACCT | 115020 |
| TCATAATAAA | AACCAGCATC | CTTATCATAG | CCTACAAGTA | AGATGACCAA | CCATTACAGT | 115080 |
| TTGCCTGACT | CTCAGGGGTT | TCTCAGGGTG | TAAGACTTAC | AGTGCTGAAA | CTTAGAAAGT | 115140 |
| TCCAAGCAAA | CTAGGATGAG | CTGCTCAACC | TACTAGATCT | GTACTCTGGC | TACCCTCTGA | 115200 |
| CCTCATTCTC | TTGCAGTTC | TTTCTCTTCA | CTGACCTTGC | TGTTTCTGGA | ATGGACCAAG | 115260 |
| CATTTCCAGC | ATCAGCACCT | TTATATCTAT | TCTTTCTCCC | TAGAAGGGTC | TTGTCCTGGA | 115320 |
| TATCTGAATG | GCTCTAGATC | TCATTTTATT | CAAGCCTCTC | CTCAAATACC | AACCTTAAGA | 115380 |
| AAGAGACCTC | CCATAATCAT | CCCTTGTAAT | ATAAGCTTTT | CTGCTCATTT | AGCATATATA | 115440 |
| TATATAGTTG | ACTATCCTCA | ATAGCATATA | TATATAACAT | TTCCCCACCT | AGAATTATAT | 115500 |
| ATGTAATAAT | ATATTTAACA | AAAAATACAT | ATAACTAGAT | ATATTTTATT | TTGTGTTTGT | 115560 |
| TCTCTCTCCC | CCAACTGGAA | TATATTTTTT | GAAGGTAGGG | ACTTTGTTTT | GTCCCAGAAG | 115620 |
| TATCCCTAGC | ACCTTGAACA | GGGCTGACGT | TTAACAGGTA | GTTTATGGAG | GTTTGTTGAA | 115680 |

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| GCTAACACAA | TCAATTCCCC | ATCTCATTCC | TTGACCTGCC | ACTGCCTGAA | GCAATCAGCG | 115800 |
| TGCAGTTTCT | CTTTAGAAAA | TCTGGGGGAT | AGTCTAGGGG | TTGCAAATTA | AGCAACATTA | 115860 |
| TCTTTGTTCT | GAACAAGGAC | TGCATGAGTG | TTAGGACTGA | AGAAGGCCCA | AGGTGGTGGT | 115920 |
| GGGTATGCCT | AAGATGAGTA | TGACATATCA | GCAATGCTAT | GAACATAGCA | ATGCTATGAA | 115980 |
| AGGCCAGGCA | AAACGTAACA | GGAGCTAGTC | GTGGCTTATT | GTTACAACGA | CTATACCTCC | 116040 |
| CATATGGGTA | ATCGATATCC | ACACACCCCT | CTACATTGAC | TCTGGAATTC | AGGAAAGGGA | 116100 |
| ATTAAAATTT | TCTAACTTAT | GTACCCCAAT | GATTTCAACA | ATATCTGGCA | TATGAGATCA | 116160 |
| ATAAATATCT | TTAAAATACC | AACTAAGAAA | GACATAAAAT | GACCCACCCT | CCATACCAGG | 116220 |
| CTCATTTTTG | CTCCTCTGAT | TCCTGAAACT | ATCCAGAATG | CAGCTATGAA | TTCTCTCCAT | 116280 |
| TGTCAGTTTT | AAATTAAGCC | AAGCTGGGTA | CTTGTGTAAT | TCCTCAAGAA | ATCCTGGATG | 116340 |
| AAAACGTGCA | GGTGGAAAAC | AGGACCTCAA | AATAAAGAGA | CATCCATCAC | TGAAGCTAAC | 116400 |
| ATCGTGAGGC | TGAAATCAGT | CCTATAACAA | TGGTACCAAA | AAGAGCACAA | TGAGAGGCAT | 116460 |
| TTGTGAATAT | TTACTCAGAT | GAGAGTAAGA | TATTTCCCTA | TCAGCTAACC | TGAAGTTCAC | 116520 |
| ATCCCTTTTC | CAGCTGAGTT | CTGAAGCTAG | ATGTACTTAA | CTGGAACACA | TAACTGCATC | 116580 |
| AGGAACATCC | TTTAAACTA | TGGCTACAAT | GGCTTGACTG | GACAAACCCC | AGGCTTCCAG | 116640 |
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| CCACCCTGCT | TGCATCATTT | CTCTCTCTGC | ATATATAAAA | ATATATGTGT | ATGTATATAA | 116760 |
| TCAGCTTTAT | TGATATTTAA | TATACCACAA | AATTTGCCCA | CTTTAGGTAC | AGTTCAATGA | 116820 |
| ATTTTACCGT | GTTTCTTAG | TTGTACAACC | ATCATCACAA | TTTAATTTCTG | GAATATTTCT | 116880 |
| ATCACCCAAA | TTTCCATTTT | TGCGTAAAGG | GGGAAAAAAA | AAGGTTAAC | GCTGAAGGCC | 116940 |
| GCGGTAACAC | TGAAAAAGGT | GCCTTTTCTC | TCTAAACAG | ATTTTAATCT | CCCCTGAATT | 117000 |
| TAGTGTCCTG | GGTATTCCAG | GAGTCTGAAT | AGGGTTTCAA | TTTTTCAGGGT | CTTTTAAATA | 117060 |
| GAGTAAAACT | GTATTGGTGG | CGATAAATTT | AGTATTGCTC | TCAGTACATG | ATTGAGGGAT | 117120 |
| ACTTAAATGT | CTCTGTGATT | TTATTTTATA | ATCGCTAAAA | GATGGTTTTT | TTTTTTCCTA | 117180 |
| AAACAGGGTT | TTTGTTTTTT | CTCAATAAGC | TTCTTAGCTT | CCCCCTCCGGC | TCCCTGGCTT | 117240 |
| GCCTCAGGAA | ATATTAGCTC | ATCAGTTCTG | ATTGGTTGAC | AGCTACGAAT | GGCCCTCATT | 117300 |

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|------------|------------|-------------|------------|-------------|-------------|--------|
| GATTGGGCAG | CGCTTCTTTG | TCCCTTGGAA | ACTAATACAA | ATTTTAAACA | CTACTTTTTT | 117360 |
| TCCACTCTTT | CTTCAGAGTT | GGAATATCGT | TGCTCCCCTA | CCCATATGTA | GTGAGTGGAG | 117420 |
| GGCAAACCTG | GAGTTCCCCT | AATCTTTCCT | TTTtaggatg | TCAGCTCAGT | ATCATTTCATC | 117480 |
| TTAATTACAC | ATTGAGCTTC | TTGACTTAAT | GGATACAGCT | CTTCTTTTGT | TTAGTTGGGC | 117540 |
| GGCCCTGAAA | AGGGCCTTTG | GTTcagaaat | GCAAGCTGTG | GAGAAATCAG | CAACCTTAAC | 117600 |
| CGCCAAAGCC | ATAAAGGGTG | CGTCCCTGGC | GCTTAAGCGC | GTAGACCACG | TCCATGGCAG | 117660 |
| TGACTGTCTT | GCGCTTGGCG | TGCTCCGTAT | AGGTGACAGC | GTCACGGATC | ACGTTCTCCA | 117720 |
| AAAACACCTT | GAGCACCCCG | CGAGTCTCCT | CGTAGATCAG | ACCAGAGATC | CGCTTCACAC | 117780 |
| CGCCACGCCG | GGCCAGACGC | CGGATGGCCG | GCTTGGTGAT | GCCCTGGATG | TTGTCACGCA | 117840 |
| ACACCTTGCG | GTGGCGCTTG | GCACCCCCCT | TACCCAAACC | CTTCCCGCCC | TTACCACGTC | 117900 |
| CAGACATGAC | TTCCCAAGAA | GTGAACCAAG | AGCAAGTGAG | AGAATAGGAA | ACCGATCTTT | 117960 |
| ATATATCTAC | GTTACCCCTG | CCCCCACCTC | CAGCGGACAC | AGAGACTGAA | AAGCGCGCAG | 118020 |
| GCGGGAAATG | TGACGCCTAC | AGTCCGCTCC | TTTAACCCCT | CCTCCAAGCC | CCAGGAAATG | 118080 |
| GCGGGAGCAG | CGATTGGGGG | AGGGTGGGGA | GATGAGGGTG | GGACCAAGCA | GGCTTGACCA | 118140 |
| ATGGCCTTTA | TTTTCTTAAC | AGAGCTACAG | GCTTTGAGGA | ACTGGGTAA | GAATTAAATG | 118200 |
| TAAACCCATT | CTGACTCCAG | AATTATTTTA | AGTCGAACTT | TTTTTTTAAAC | CGAATCTCTC | 118260 |
| TGTCGCCCAG | ACTGGAGTAC | ATTAGAGCCA | TCTCGATTCA | CTGAAACCTC | TGCCTCTCAG | 118320 |
| GTTCAAGTGT | TTCTCCTGCC | TCAGCCTTCA | GAGTGACCT | GGGATTACAA | GCGCTCGCCG | 118380 |
| TCGCGCCCGG | CGTGTTTTTG | TATTTTTTCGT | AGAGACGGGA | TTCGGCCATG | TTGGCCAGGC | 118440 |
| TGATCCCGAA | CTCCTGATTT | CTGGTAATCC | GCCCGCCTCA | GCCTCTTAAA | GTGCTTGAAT | 118500 |
| TACAGGCGTG | AGTCACCGCG | ACCGGCCGAA | ATCGATTGGT | TTTGAAGCCT | TCAGTAGCAT | 118560 |
| TAAAACGAAA | AGTGCTCCCA | ATGCATTCCC | TTTTGTCTTA | AATTGGTTTC | TTACAGCTAC | 118620 |
| TTTACTTGAA | AAGGTGGTGG | CTCTGAAAAG | AGCCTTTGCT | TGGACCGTCA | GAGAGACCAC | 118680 |
| AGTAATCAG | CCCTCTCTCC | GCGGATGCGG | CGGGCGAGCT | GGATGTCCTT | GGGCATGATA | 118740 |
| GTGACGCGCT | TGGCGTGGAT | GGCGCACAGG | TTAGTGTCCT | CAAATAGCCC | TACCAAGTAG | 118800 |
| GCCTCGCACG | CCTCCTGCAG | AGCCATCACA | GCGGAGCTCT | GGAAACGCAG | GTCTGTTTTA | 118860 |
| AAGTCCTGCG | CAATCTCGCG | CACCAGGCGC | TGGAAAGGTA | GTTTACGAAT | AAGCAGTTCA | 118920 |

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| GTGGACTTCT | GATAACGGCG | GATCTCGCGC | AGAGCCACGG | TGCCCCGGCCG | GTAGCGGTGG | 118980 |
| GGCTTTTTCA | CGCCGCCGGT | GGCCGGAGCG | CTTTTGCGGG | CTGCCTTAGT | GGCCAACTGT | 119040 |
| TTGCGTGGCG | CCTTGCCACC | AGTAGACTTC | CGAGCAGTTT | GCTTAGTGCG | AGCCATGACG | 119100 |
| GAAAAACAGC | ACAGCGGAAC | ACCCAACACT | AGCGCAAATA | CGCCCATGAG | CTGCTCTATT | 119160 |
| TATAGTGTGT | AAAGTGCAGT | GATTGGATGA | TAGAAGACGC | TAAATATGAC | GTTACACACT | 119220 |
| CTGATTGGTC | TATCTTTAAG | CCAGCAACAA | TCGTGCAGTT | TCACCGGCTA | CTATATTCTA | 119280 |
| TTCCAACCTCT | ACAGATGATT | ATTTAAGTGG | TATTTTATTA | CTACTATTAT | TTTATTTTAC | 119340 |
| TTTTGCTTTG | TTCCCCAAGC | TGGTCTTAAA | CTTGGGCTCA | AAAGATCTTC | CCGCCTCAGC | 119400 |
| ATCCAGAGTA | GCTGGGATTA | CAGGGGAGCC | CCACTGCGCC | GGCTTGGA | TTAATTTTTT | 119460 |
| AAACTTGTCC | TCTTCTACAT | CTGGTTTTCA | TAACCTGAAG | GCTGTGTTTA | TTTTCCATAA | 119520 |
| AACAAGGCAT | TGATTCCAAA | GGTATTATAA | TTCCCCAATT | CCGTATAACC | TTCAGCTCTT | 119580 |
| TAGGAAAAAA | AAAAAAAAAA | AAAAAAGAGG | GAATACTGCT | CACCTCCTCT | CCGGAAATGT | 119640 |
| ACCCTTTACG | GGAATTTCTG | AAACCTTTCA | CAAGAATTGG | ATTCCTTTGT | AATGCTTTAA | 119700 |
| TTGACTTAGG | AGTGTTATTG | AAATCTACAA | AGCATCTCAA | ACATAGTAGG | ATTACACTAT | 119760 |
| TACTCAGAAA | CATTTTCTAT | GAGACGTCTT | TCTCTTGATT | ATGCTCTTTG | AATCCTAAAC | 119820 |
| TTGCAGCGTT | CTGCAGCTTT | TGTTTTCTAA | AGCCTAGGTG | TACTCTGCCA | GTCACAAAAT | 119880 |
| GGCGTTTCTC | CAGCACTGCC | GCCAGGTACC | ACCAGCTGGG | AGTTGTTTCT | CTTGCGGAGC | 119940 |
| AGGAGGTGGA | CTTGGCCCAA | GAGAACTGG | ATAGTGGTTC | GCAAGGAACA | TAATTTAGCA | 120000 |
| TTGCCAAGAG | CTAATGCAAT | CATTTTGAAA | ATCTCAAAAC | ACTGAAAAGT | GGATTGTGAC | 120060 |
| CTTTTTAAAT | TCACAAGAGA | CAGGCCACAT | TCTATCTTTT | GATTGGTTTA | GGCTATTTTC | 120120 |
| TTGAACAGCC | ATTTAGAAAG | CAGATCTATC | ATCCTTCATT | TGCATGGAGC | GTTCCCATT | 120180 |
| TATTTGAAAC | CAGTTTAACC | CAATAGAAAA | AAGGGAGGCA | GAACCCATTA | TTTAAAGTGG | 120240 |
| AAACTCCTGA | ATCAGATAAT | TAGGAGTATT | TCCTTTTCAA | AAGTTGCGTT | TTTTCAGATA | 120300 |
| CCTCGCTTAT | TACACTAAGA | AAGGTTTATA | TCTTTTCAAA | AGGGTTTACT | TACAAAAATC | 120360 |
| TTCCAATTTT | GTATACCTGT | GTTTCATAAC | TGACTAGCCG | TCAAACCAAG | ATGTAGAGTT | 120420 |
| TCCAACCGTT | ATTTTCCAAA | TTTTTAGAAA | TTACGTGAAA | TATTTGAATG | CATGCCTTCT | 120480 |
| CAATAAAATG | GGACGTAGGA | AGCACTGGTG | CAGAAGATGG | GTACAATACT | TATCTGGGAC | 120540 |

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|-------------|------------|-------------|------------|------------|-------------|--------|
| CACTCCATTA | TTTGGTTGGC | ACGTTGTTTG | AAGAAAAGG | GGAAAAGCTC | AGGTTACTTA | 120600 |
| GCATGGTTTCG | GACTTATTTG | AAACTACCA | CAGCAGGAGC | GGAAATAAGA | CCGCATTACC | 120660 |
| TCACTCTCTG | CTGTGCTGTG | CTAGGGGGTT | ATCCAGAATA | GGATTGTAGA | AGTGGATGTC | 120720 |
| GATTTAATAG | TTTTTTATTC | TCCCATTAGC | TGAGTCTCTG | ATTGGCAATG | TGAGATCGTT | 120780 |
| TTAGCTTATT | GATACTTTGA | AATGCACTTA | ACAGCCACAA | ACAAGTTAAA | GGGTTGTTAC | 120840 |
| CATAAAATCT | TATCCCCAGG | GTGTGCTTGC | ATTTATCACC | CGTGTTTGCT | TTCACACTAA | 120900 |
| GTGGACTTAA | CTCCCCAGCA | GAATGCCTGT | CAGGGAACCG | GTTTCGTGGA | CCCAGCATTT | 120960 |
| AACGCCTTTC | GCAGGCTTGT | GAGGCCCATTA | AATATTTGTT | GAATAAAAGA | ATGAGTTGAC | 121020 |
| CATGTCATGG | TGCGCTGATT | GCGTGTGCTG | ACATGGAACA | CAGGTTGTAA | ACCTTAATAC | 121080 |
| CAATTTGGGG | CATGTTGTAT | GGATGAAAAG | GGCATTGGAA | ATTCTGAAG | TGCATCCCAC | 121140 |
| ATTGGACTGT | GGAAATAAGT | TGCAAGTGCA | GAAACGTTTC | CACACTTGCA | GTTTGAGTAT | 121200 |
| TAATTGCAGC | GTTTGTGAAT | TCTGGTGTG | TCTACGATTC | ATTCTTGTTT | GACGTGAAAG | 121260 |
| GTATTCGCGA | GACACATCGC | TCTAAAACAT | TGCCAGAAAA | TGTAATAGAG | TTGATGACAA | 121320 |
| CTGGCCCTAA | CACGGCCTAA | AACTCGCACT | TTTCTCTCCC | TCCGCAACTA | TTCAAAACAC | 121380 |
| TGTATTTTAC | ATTTCTTGCA | AATTAAAAAC | TAACATCTCT | GGCAACGGAC | CTCTAAAAAT | 121440 |
| TTCTAATAAA | ACTCCTCGGA | TGCTTGTGGC | ACTGCATTTG | TAAACCGCCC | CCTCTCAACC | 121500 |
| TACTCCCTAA | AAAAGAGCTG | CTTTTTGAGA | GAGAAGCGGT | ACCCTCTGAT | GTTACTGGGC | 121560 |
| GGCAGTCTGC | CTACAATTTT | CTTCACAATG | AGGCAACCAG | AGCGGCTTTT | TCTGTGTGTT | 121620 |
| TGCTTGCGTT | GAGGGGAGCA | GGACCATAGG | CCCTAGAGGC | CCCCAGCTGC | CTTCTGAGAC | 121680 |
| TGGGCGAAAC | CCTCGGCAGC | GCGCAGGGGG | CGCTAGGGCG | CGAGGGGCGG | GCACTGACGG | 121740 |
| GCACCAATCA | CGGCGCAGTC | CCACCCCTATA | AATAGGCTGC | GTTGGGGCCT | TTTTTTTCGCA | 121800 |
| TCCTGCTTCG | TCAGGTTTAT | ACCACTTTAT | TTGGTGTGCT | GTGTTAGTCA | CCATGTCTGA | 121860 |
| AACAGTGCCT | CCCGCCCCCG | CCGCTTCTGC | TGCTCCTGAG | AAACCTTTAG | CTGGCAAGAA | 121920 |
| GGCAAAGAAA | CCTGCTAAGG | CTGCAGCAGC | CTCCAAGAAA | AAACCGCTG | GCCCTTCCGT | 121980 |
| GTCAGAGCTG | ATCGTGCAGG | CTGCTTCCTC | CTCTAAGGAG | CGTGGTGGTG | TGTCGTTGGC | 122040 |
| AGCTCTTAAA | AAGGCGCTGG | CGGCCGAGG | CTACGACGTG | GAGAAGAACA | ACAGCCGCAT | 122100 |
| TAAGCTGGGC | ATTAAGAGCC | TGGTAAGCAA | GGGAACGTTG | GTGCAGACAA | AGGGTACCGG | 122160 |

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| AGCCTCGGGT | TCCTTCAAGC | TCAACAAGAA | GGCGTCTCC | GTGGAAACCA | AGCCCGGCGC | 122220 |
| CTCAAAGGTG | GCTACAAAAA | CTAAGGCAAC | GGGTGCATCT | AAAAAGCTCA | AAAAGGCCAC | 122280 |
| GGGGGCTAGC | AAAAAGAGCG | TCAAGACTCC | GAAAAAGGCT | AAAAAGCCTG | CGGCAACAAG | 122340 |
| GAAATCCTCC | AAGAATCCAA | AAAAACCCAA | AACTGTAAAG | CCCAAGAAAG | TAGCTAAAAG | 122400 |
| CCCTGCTAAA | GCTAAGGCTG | TAAAACCCAA | GGCGGCCAAG | GCTAGGGTGA | CGAAGCCAAA | 122460 |
| GACTGCCAAA | CCCAAGAAAG | CGGCACCCAA | GAAAAAGTAA | ATTCAGTTAG | AAGTTTCTTC | 122520 |
| TAGTAACCCA | ACGGCTCTTT | TAAGAGCCAC | CTACGCATTT | CAGGAAAAGA | GCTGTAGTAC | 122580 |
| ACAGATGAAA | TCCCCCAAGC | AAATGCAACA | CGCCCTCAAT | TATATTAGAA | TCACTTGGAG | 122640 |
| AGTCGATAGA | ACTTTAACAT | AGCCTCATCT | AGTAAGAATT | TACTACTCAA | TCTATCAAAG | 122700 |
| ATAGCAAGGT | GAATTCAAAT | GCACCGAGTT | AAAATCGAGT | TTTAAAGTCA | CCTGGGTTTC | 122760 |
| GGTAGCCGGA | AGTCCCGCGT | CTCACGACTC | CAAGCTAATT | AGTCATAACC | GTATTGAACC | 122820 |
| AAGGTTGAAG | CCCAGTCCCA | GGCTTGAGGC | TTTTTATTAT | ACAAGGTAA | AGTGGGGATA | 122880 |
| TTGCGTTTTG | GGGTCAATAT | TGCTAAAGTA | GCATTTTCCG | AAATTGGGTG | GTCCTAAGAA | 122940 |
| ATGCTTCTGG | GATAGTTGGC | AAAATATATG | GCTTAACCAC | GCCCTCTCCA | CAGGAGTGGC | 123000 |
| TAGCGAGCTG | TCTGTCTTTG | GGAAGGACGG | TGACCCTGCT | GGCGTGGCTG | GCGCCACGT | 123060 |
| TGGCGTCCTC | TGAAAGCCCC | GCCAGGTAGG | CCTAGCTCGC | TTGCTTTCTG | CAGCGCCATC | 123120 |
| ATGACAAAGC | TTTGAAACGC | AAAATGCTTT | CTTTGTGCAG | CGCCTTACCA | TGGGTGCACT | 123180 |
| TACGGGCTGT | CGACTTGGTT | TAGGCCCTTG | TCAGGACAAA | GGAGCTTAGT | TTGTTGGAGT | 123240 |
| TTTAGAGCTG | CAACCCAAAA | TCCCTTGCTC | GGTTTCTCTG | TTTTTAGAAA | CGGAAGCGCC | 123300 |
| CTGATTGGAT | ATTTGAAAAT | TACTGTGCTT | AACTGGATCG | TGTTTCATCA | ATCGTGCAGG | 123360 |
| ATTTTCAACC | CTGGTGGAGC | CCACACATTC | AAAAGTGAAG | ATCCTTTTCT | CAGAACTGCC | 123420 |
| CCTTTAAGCT | TTTGCAATTT | TAATTCTGGG | GGTCAGATTT | TAATAATTGG | ACTTTTTTGT | 123480 |
| TTACATCTGA | CAAGAGTATA | TGATGAGCCA | AGTTTACTCA | CTTTTACTTA | GTGCAGTTCA | 123540 |
| ATTCTAAAAG | TTTATTTTTG | CGTGTGTGCA | TATGAGTTAA | TAATCAGTTG | TATTTTTTCAA | 123600 |
| ACGGTCTTTT | TTCAATTGTT | TTGCTTAGCT | CCTTCCATCG | TCTAAAGTCA | GGGATACAGG | 123660 |
| CACATCACAT | CCCTGTTCCC | CCTTCCTCAA | ACTAATATGT | AGCTACCTAG | GTTTATCCTT | 123720 |
| TAAAACAAAA | ATTCTCACCT | ATTTTTGTGA | GAAATATACA | TGTTTTTCTT | TGAACTAAGT | 123780 |

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| ATTTTACATA | CACCTATCTA | TATACATGCA | TACTTGTGGT | TTTGTTTTTT | TAAAAAAAAA | 123840 |
| AAAAAAAAAA | CACGTTATCT | TTTGAGACTG | GGTCTCAGTC | TGTTGCCCAG | ACTGGACTGC | 123900 |
| AGTGGCATAA | TCACAGCACA | CTGTAACCTC | CAACTCCTGG | GCTCAGGCTA | TCCTGCAGCC | 123960 |
| TCAGCATCCG | GAGTAGCTGG | GATTGCATGC | ACGCACCACC | AAGCCGGGCT | TTTTGTTTTT | 124020 |
| ATTTTTTGTG | GAGACAGTCA | CACCATGTTG | TCCAAGCTGG | TCTAGAAATG | GCCTCAAGTG | 124080 |
| ATCATCGACC | TCCCAAAGTG | TTGGGATTAC | GGTCACTGTG | CCTGGCCTTG | TATGCATAAT | 124140 |
| TGTTTTGTCT | TTTGATTAGG | GTTATTAATT | TAAAAAACAA | AGCCTGGACG | CAGTGGCTCA | 124200 |
| CATCTGTAAT | CCCAGCACTT | TAGGAAGCCG | GATGGGCAGA | TTACTTGAGC | TCAGGAGTTC | 124260 |
| AAGACCAGCC | TGGGCAACAT | GGTGAAATCC | CATCTTGACA | AAAAATACAA | AAAATTAGCA | 124320 |
| AGGCCCAGTG | GCACGCACTT | ATAGTCCCAG | CTACTTGGGA | GGCTGGGGTG | GGAAGATGAC | 124380 |
| TGGAACCTGG | GAGGTAGAGG | CTGCAGTGAG | CAGAGATCGT | GCCACTGCAC | TCAAGCCTAG | 124440 |
| GTGACAGAAT | GAGACCCAGT | CTCAAAACAA | AAATAATAAA | AATTTTTTAC | AACGATGTTA | 124500 |
| TATACACTTC | TGCATGTTGC | TTTTCTCTTA | ACCAAACTTT | TCTAAAACCC | TGTCATGAAA | 124560 |
| AAAGAAATCC | TTCACATGGA | ATAGCATAAG | TTATTCATCC | ATTTCTTATT | GATAAGCATT | 124620 |
| GATGTTTCCA | GTTACCACTG | CTGAACATGG | TGCAATTGAA | TAGAATTCCA | GGGCTGAGAT | 124680 |
| TGCTAGGTTT | TAGGTTGTAT | TTTATTATTT | TATTTATTTA | TTTATTTATT | TAGACAGAGT | 124740 |
| CTTACTCTGT | CACCCATGGT | GGAGTACAGT | GCCATGACCT | CAGTTGCAAC | CTTTGCCTCC | 124800 |
| TGAGTTCAAG | CGATTCTCAT | GCCTCCGGTC | TCCCGAGTAG | CTGGGATTAC | AGGCACCTGC | 124860 |
| CACCAGGCCT | GGCTAATTTT | TGTATTTTTA | GGAGAGATGG | GGTTTCACCA | TGTTGGCCAG | 124920 |
| ACTGGTCTCA | AACTCCTGGC | CTCAAGTGAT | CTGGCCACCT | CGGCCTCCCG | AAGTGCTGGG | 124980 |
| ATTACAGGTG | TGAGCCATGG | CTCCAGACCT | GGACTTTGTC | TTCTGTTTCA | TCAGTCCTTC | 125040 |
| TGTTGGTTCA | AGCACAGTAT | CACACTGAAG | ACTGATGATT | CTATATAAAT | ATGGTAAAGA | 125100 |
| CTGTACACCC | TAACTGTTCT | TATTTTTTAA | TTTTAAGGCA | ATTTTAGATT | CCAGCTTTCC | 125160 |
| AAAGAATTGT | GGAATGCTTA | GAGCTAGAGA | AGCCTTGGA | GTCATTTAGT | TTTTGTTTTG | 125220 |
| TCAGAGAAAA | TTCTGTAGAG | ACTCTGTCCT | GCTCTCACTG | AATACCATCC | CATAGTACCC | 125280 |
| CCCAACAGCT | TTAAAGGGCA | ATAATACCTT | ATGGACAGTA | TGCTTTTCCT | CAAATATATT | 125340 |
| CTAAGCCATG | GTCAATGCAA | AAGAGTGAGA | AGGAAAGTAG | AATAAGTTAT | CTAAGAATCA | 125400 |

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| GTGGGTGCTC | TCTTTAAACT | GATTTATCAC | TCCCCCTTCC | AAACTCTCTT | GAAGGTCACT | 125460 |
| CTGCCTCCCT | TTCTACATAA | GAATCCTAA | CTCCAAGGGA | GGAAGGTAAG | TTATTCTTAT | 125520 |
| TCCTTGCTTA | GAAAAAGAGA | AAATAGGTTT | GGTAAGCATC | CGCTTTCTGC | TACCATTCTC | 125580 |
| TGTGTTTCTG | TGTTTTTTAT | AGGATCATTC | AATTATTGGT | TGGCTCTTGA | GAGGGAATGC | 125640 |
| AAGGTTCAAG | GACACAAGCC | TAGATCTTGC | CTGTATAGAA | CCTCATGATG | TTATGCTTCT | 125700 |
| CTAAAATGAG | GCCTGGAGGA | GACATGTTGA | AAGTGACCCA | TAAATCTGCA | GTATCTCATG | 125760 |
| TCTCTCAATG | GGGACAAGGA | GTACCATGGG | AAATAGCATT | AGGTCAATGA | CAGTAACAAC | 125820 |
| TCCCAGGTGA | GTTGATTTAT | TCTTTTATTT | ATAAAGTTGT | TAATATGCTA | CATAGTCCCT | 125880 |
| AATTTTGCCA | CAAATAGTCA | TTATTTTAAT | TTCATATTTT | ACTATTGATA | AATGAAGGAA | 125940 |
| AAAATGAGTA | GCAGTTAAGC | AGTCCATAAA | CCTACATATA | AAGCAAATTG | GAGATTTTAA | 126000 |
| AATTGATTCT | GGATGCTTAA | AATCCTTCTC | ATTGAAAAAA | AATTTTCGTAT | TAGAAGATTT | 126060 |
| CAACATTCTT | TAAACTGAGA | AGCATAACAT | ATAAACAGAA | AACCACAGCA | AAACAAAAAT | 126120 |
| GCAAAGCTCA | ATAAATGAAC | ACAAAGTGAA | CACCATAATA | ATTGCCACAC | AAGTAAAAAA | 126180 |
| ACAGAAAATC | AGCCAACCTT | CCCAGAGCTG | CCTGATGCTT | GCTTCCAGTC | ACATTATCAC | 126240 |
| TCCATCTGCC | CTAAACATAA | CCCCTATTTT | GATTTCCAAT | GCTGTAATTT | AGTATGCCTG | 126300 |
| TTTTTGAAAC | ATATAAAATG | GAAATAAAAC | AAATGTAATC | CTATGTACCT | GACATATTTT | 126360 |
| ACTCCAGAAC | ATTAGGTTTG | AATAGATTCA | TCTGTGTTGC | TGTGTATAAC | TTTAATTCAT | 126420 |
| TTTTATTGTT | ATGTAATATT | CCATGTTATG | AGTGCAACAA | TTTAGGTGTC | TACTGTTGAT | 126480 |
| GCATATTTGC | TTCCCTTTTT | CAGCTAATAT | AAACAATACC | GTGAATATTC | CTGTGTATGT | 126540 |
| GTCTTGGTAT | ATATAGGAAT | ACATATTTTG | TTTGTATACC | TAGGAGAGGA | ATTGTTGGGT | 126600 |
| CAAATGCTAA | ACTCTTTTTG | AAAGTGGTGA | TATTAGGTTT | ACATGCGATG | AAATGAAAAT | 126660 |
| TAAAACCACA | GTTATAAACA | GCATGGATGA | ACCTCACAAA | CCTAATGTTG | ATGGAATCTA | 126720 |
| GCTGGGAATT | CCTGTTCTTC | CATATACTTC | CCAATATTTT | TTTCCAATTA | AAATTGTTAA | 126780 |
| TCTTTTGAAG | ATGTTATCCA | TTGTGGCAGA | TGTGCAGTAT | TATCTCATTA | TGGTTTTATT | 126840 |
| TTACATCTTT | TGCCCATTTT | TTCTTAATTG | GATTGTATAT | CAGTCGACTT | GGGCTGCCAT | 126900 |
| AACAAAAATA | CTAGACTAGG | TAGCTTGAAC | AAAAGGAATT | TATTACCTCA | CAGTTCTAAA | 126960 |
| GGCCAGGCCA | GAAATCCTAA | ATTGAGGTGC | CAAGAGATTC | AGTTTCTAGT | GAGGGCTCTC | 127020 |

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| TTATTGACCT | GAAGATAGTT | GCTGTCTTAG | ATTGTTTGGT | GCTGAACAGA | ATACCAGAGA | 127080 |
| CCAAATAATT | TATAAAGAAT | ACAGATTTAT | TTCTTACAAT | TCTGGTGGCT | ATAAAGCCTA | 127140 |
| TGGTCGAGGG | GCCCACCTCT | GGCAAGGGCC | TTCTTACTGT | TATGGCAGAT | GTGAGATGTC | 127200 |
| ATCTCATATT | CAAACCACAG | CAGTCGCCTT | TTGTGTCCTC | ATGTGGCCTC | TTCATATGCC | 127260 |
| CATAAAATGA | CCTCATGTCT | CTTCCTTTTC | TTATAAGGAC | ACCAGATCTA | TCAGACTACT | 127320 |
| GGCCTACTCT | TATGACCTCA | TTTAACCTTA | AATATCTCCA | TAAAGTCCCA | AAATCCCTAT | 127380 |
| CTCCAAATAT | AGGCACATTG | GGTGTTAGAG | TTTCAACATC | AATTTTGGGG | GAACACAATT | 127440 |
| TAGGCCAAAA | AGATTGTGTT | TTTTCTTGTT | GGTTTAAGAT | AGCTGTCTTT | TTGTCCTTTT | 127500 |
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| CGCTGTCTCA | GCTCACTGCA | ACCTCCACCT | CCTGGGTTCA | AGAAATTCTC | CTCCTCCCAA | 127620 |
| GTAGCTGGGA | CTACAGGTGC | ATACCACCGC | GCCCTGCTAA | TTTTTGTATT | TTTGATAGAG | 127680 |
| ACGGGGTTTC | ACCATGTTGG | CCAGGCTGGT | CTCAAACCTC | TGACCTCAGG | TGATCCACCT | 127740 |
| GCCTCGGCCT | CCCAAATGC | TGAGATTACA | GGTGTGAGCC | ACCAAACCTG | GCCTGTCTTT | 127800 |
| TCTGTTTTAA | GTTTTTAAAT | TTTGCTCAGC | AACCCTTTAT | CCATTTTATG | TGTTGCAGGT | 127860 |
| ATTTCTCTG | TAACTTGTCT | TCACTCTGTC | AGAGGCTGGA | GTGCAGTGGC | ACAATCACAG | 127920 |
| CTCACTGCAG | CCTCCACCTC | CCAGGATCAA | GCGATCCTCC | CATCTTATCC | TCCTTAGTAG | 127980 |
| GTGGGACTAC | ATGTGCAGGC | CACCATGCCC | AGCTAATCTT | TGTATTTTTT | TGTAGAGATG | 128040 |
| GTGCTGTTGC | CCAAGTTGGT | CTCAAACCTC | TGAGCTCAAG | CAATCCATCA | ACCTTGGCCT | 128100 |
| CCCAAAGTGT | TGGGACTAGA | GGTGTGAGCC | ACCACTGCAC | CCAGCCAATG | ATATCTCATG | 128160 |
| ATGCATTAAA | GTCATTAATT | TAGTGTA CTC | AAATTAAGCA | CACTGCCCTT | TTATGCACAA | 128220 |
| CCTTTTTTGT | ATCTTATTTA | AAAAATCATT | TTCTATTTCA | AGGTCATGAA | GATCTTATTT | 128280 |
| TATAATACCT | TCTTGTGAAA | TTAGTTCTCA | AGACTACCCT | CAC TTCTAAC | ACCAATTATA | 128340 |
| AGTTGGGAGG | TCTGTGGTTC | CCAATCAACC | TTAGGTTAGT | AATTTGCTAA | AAGGACTCAC | 128400 |
| AGAACTTGCT | GAAGCTGTTA | GCCTCATGGT | TACAATTTAT | TATAGGATAT | ATAGCTTATT | 128460 |
| ATGTCATTCC | AATGCAATGT | AAAATTATAC | AACTACTTTT | AAAAAGATTT | TAGCATTTGA | 128520 |
| CCCAACAATT | TCACTCTGAG | GTATACAAAC | AGCAGATATG | TGTGCACATA | TATACCAAGA | 128580 |
| CACATACACA | GCAAAATTCA | TTGTTTGTA | TAGTTGAAAA | GGGGAAACAA | CTCAAGGAAT | 128640 |

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| AAAGATTAAA | ATCAGCTGAG | AAAAGAAACA | CACAAGGCAG | TATTATGGAT | CGAATTGTAT | 128700 |
| GCAGATCTCC | CTTGCCCCCA | GAAGATATGT | TTAAAGTCCC | AACTCCCAGT | ACCTCAGAAT | 128760 |
| TGTGGCCTTA | TTTGGAAATA | GGATAGTTGC | AGATATAATT | AGTTAAGATG | AGGTTATAGT | 128820 |
| ACAGTATGAT | GGGCTGGTGA | CTTAGAAGAA | GTAGTATATA | TATATTTTTT | AATAGAACTA | 128880 |
| GTATTCTTCT | AAGGTGGTCA | CGTGAAGACA | GACACACACA | GGCAGAGACT | GCGGTTATGC | 128940 |
| AGCTGCAGGT | CAAGGAATGT | CAAAGGTTGC | CAGCAAGTAC | GAGAAGCTAG | GAAGAGTCAA | 129000 |
| GGAAGGATTT | TCCTACAGGC | TTCAGTGGAA | GCATAGATCT | AATGATACCT | TCATGTCAGA | 129060 |
| TTTCTAGCTT | CCAGAACTAC | AAGAGAATAT | ATTTGTTGTT | TTAAGCCACC | CTAGCTTCTA | 129120 |
| GCTCTTTGTT | ACAGCAGCCC | TAGGAAACTA | ATATAGGCAC | AATCCAGGCA | AGTTCCAAAT | 129180 |
| ATGAGCTTCC | AGTTGTCCTC | TCCCAGTAAT | ATGAACAGTA | TTACTTTCCC | AGCATTAAATG | 129240 |
| TGTGACAATA | CACATGACGT | ACAGAGCAGT | CCCCACTTAT | GCACAAAACA | TATGTTCCAG | 129300 |
| GACCTCCAGT | GGATGTCTGA | AACCATGGAT | AGTACTGAAC | TCTATATAGC | TGTTTTTTTCC | 129360 |
| TATACAGACA | CAGCTATGAT | AAGGCTTAAT | TTATAAATTA | GGCACAGTAA | GAGATTAATA | 129420 |
| ACAATAAATT | AGAATAATTG | TTAAGAATAT | ACTGTATAAA | AGTTAGGTGA | ATGTTTATTT | 129480 |
| CTGAAATTTA | CCGTTTATTA | TTTTTGGACT | GCAGTAGACC | ACAGGAACTA | AAACCATGTA | 129540 |
| GAAACCGTAT | ACAAGAGAAC | TGTATTTTAC | CCGAGCCTCA | GTGTGCAGTT | TTAATGGCCT | 129600 |
| GCCATGGTTG | ACTGCTCACA | TGGCCGATCT | TTTAGTCTAC | CTCCACAGGT | AGAGCTGATA | 129660 |
| CTGTGTGGCT | CAAAGTTCCT | ATTATAAATC | ACATTGTTGA | CTGTGTGGTG | GTCAAAACCT | 129720 |
| CCAGGTAAAC | AAAGACACAC | TTATCAGTGA | GAACATTTCA | AGGGTCTAAA | ATTCATCTCC | 129780 |
| CAGTAGCTGA | GGGCAAAGGC | TAGACCTCTT | TTTGGGTAAG | ATAAATTTTT | TACCATATAC | 129840 |
| TTTATTTTGC | TTTTTCATGTT | TAACTTTATT | TTGCTTTTCA | TGTTAGTTCC | CCTGGAATTG | 129900 |
| TTTTTTGTGT | ATAGTGTGAA | GTAGGGGGTC | AAGTTTCTTT | TTTTTTCCTT | TTTGTTCCTT | 129960 |
| TTCTGTTTAA | AAGGCTATAC | AATTGTCCCA | TGCCATTTAT | TTACAAGAGT | CCTTTCACCA | 130020 |
| TTGTTGTATG | GTGCCACTTT | AGATGTAAAT | CAATGTCCAT | ATTTGTTTGA | GCCTGTTCCA | 130080 |
| TTGTTTTGTC | TATTTTTTGA | CAACACTGCC | CTGATTATTG | TCATTTTATC | AGTTTTGATA | 130140 |
| TTTAATAAAG | CAACAGATTT | GTTTATTTTG | GGCCCTTGGA | TTTGTGTATT | AAATTTGAAC | 130200 |
| CCTGTTTGTC | AATTTCTATA | ATAAAGCTTA | TTGGGAATCT | GATTAGGATT | ACAATGGTTT | 130260 |

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| TGTAGATCAG | TTTGGGGACA | ATTAATACCT | TTAAAATATT | GACCGCTTCA | ACTGTAAATA | 130320 |
| TACTCCTCCA | TTATTTAGTT | TTCCTGTTTA | ATTTATCTGA | GTAATACATT | ATAGTTTTCT | 130380 |
| TCGTAGAAGT | CAGATACGTA | GAAAATTCAA | AGCCCAAGTG | CAATAGCTCA | TGTCTGTAAT | 130440 |
| ACCAGCACTT | TGGGAGGCCG | ATGTGGGTGG | ATCACCTGAG | GTCAGGAGTT | TGAGACCAGA | 130500 |
| CTGGCCAACA | TGGTGAAACC | TCATCTCTAG | TAAAAATACA | AAAATTAGCT | GGGTGTGGTG | 130560 |
| GCGGGCACCT | GTAATCCCAG | CTAATCAGGA | GACTGAGGCA | GGAGAATCGC | TTGAACCCAG | 130620 |
| GAGGCAGAGG | TTGCAGTGAG | CCAAGTTCCT | GTCACTGCAC | CCCACCCTGG | GCGACAGAGC | 130680 |
| GAGACTTCGT | CTCAAAAAAA | CAAAAAAAG | AACATTCAAA | TAATCAATGT | AGATAATTCA | 130740 |
| AATAACTAAA | AAATGAACAG | TTATTAAAAT | ATCAGGATAT | AAAAGCAAAA | AAATCAATAA | 130800 |
| CCTCCATATA | TACAAAATGG | CCAGTTAGAG | AAAAAAAAAA | GAATAGGCGA | GACTTAAAAA | 130860 |
| GGCTGGGAAT | CTCCCTGAAA | ATCTTTGAGA | GCCTTGGCCC | TGCCCTCAGG | GATTTCTCTG | 130920 |
| GCTTCATGCC | CAGATATGGG | TACAGTTCCT | TGTTTAAAAA | AATTTTGCTC | CATCAATCAA | 130980 |
| CAAGGGGCTC | CTTCCTCAGA | GCACAAGGAC | CTCCATAACA | CCGGACACTA | GATGTCTAAG | 131040 |
| GGACACCTCT | TAAGGAAGTT | AGACTTCCAA | AGAATGGTGT | TTCCTCTGTC | CCCAAACCTCT | 131100 |
| GGAACTCACA | GCACAACTGC | TCCTTGGAGT | TCGGTTTCAA | ATCTACAAGG | CTGTCATGGA | 131160 |
| GGTTGCAGAC | CAAGTCCGTG | GCCTCAGTGT | CCGGATGTAC | GGTGGCCTTG | GCACCTGAAT | 131220 |
| GTGAGAACAT | GACCTCCCTG | AAACCACCAC | AAGTATTGTT | TCATGTTATG | TATGTTTTTT | 131280 |
| CTTATCTGAA | ATTCCTTTTC | TTTAAAAATT | CAAATTACAT | ATTTTTCAAG | CCCCTGAACA | 131340 |
| AGCTTCATGA | GCATTTATTG | AACCCACAGC | TTTTAAAACC | TACTGAACAC | TTTGCTCTAT | 131400 |
| GTTGTCATTC | ACTATCCACC | AATTATTTAA | TTATTGATCA | ATATTGTTTC | CTTAGTGTTG | 131460 |
| GGATCATTTA | TGCATGTATT | TCTTTTATAT | TGCATATTTT | ATATTTCTGC | ATTACAGTTA | 131520 |
| TTACATATTA | CTTTTGCTAC | AGTAATAGTT | CAGAAGTGTA | CATCCAAAAT | TTAGCTGTGA | 131580 |
| AGTGGAATGA | CTGAGGCAGA | ACTGGAGGCA | AGAAAATGTC | ACAGTAATTC | TAAAAAAGAT | 131640 |
| GATGTACAAT | TAGAGCAAGA | GAGTAGCACT | GAAATTGAAG | AAAAATAGAT | GCGTTTGAGA | 131700 |
| GAAAATTAGG | AGGTAGAATC | AACAGATTAG | ATGTAGGGAT | GAGAAGGGTC | AAAGATGACA | 131760 |
| CTAGGGTTTT | TAACTGGAGC | AAGTAGGTAG | ACAGAACATT | TCTTCCTGAA | AGGGCAGGTC | 131820 |
| AGATCATGTG | TTGTCTCAAA | GGGCATGAAG | AGTAGAAAGC | CTGGGACAGA | TCCTGAGATG | 131880 |

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|------------|------------|------------|------------|-------------|------------|--------|
| ACCAATACCC | ATGGTGCAGG | GAGAGGGAGG | GAGATCTGCT | AAAAAGACTG | CAAATGTCAG | 131940 |
| GATAGTAGAA | AATCATGAGT | GTGTGATGTC | CTGGAAGTTG | AGACAGTATC | ACATTTGAGA | 132000 |
| ACATTTAAAT | TGGTAACTCT | GACAAAACCT | GGAGGCCAAC | TGTGAATGCC | CATGAGAGTG | 132060 |
| AGAAGCTCCC | ACACTTTTGT | GGGCATCAGA | AAGCCCACCA | GGTTCCTGCA | GTGAAGATCT | 132120 |
| GAGAAGGATC | CTCTTGTGGC | TTTGGCAGGG | AGAGAAGAAT | TATTATGAAA | TACACCCCAG | 132180 |
| AACCTTCTTC | AAAACAAAGG | CCTACTCTCA | AGGGGAAAAC | ATTTTGCCAG | AGTCTTATCC | 132240 |
| CAGCTGGGAG | AAGGTAATTC | TTCCCACTGC | AGCCTCATCT | AGGCTTTCTG | TCTCACTTAA | 132300 |
| GGGAAGAAAA | TTAGTCAACA | GGGATCAGAG | CTTCATGAAA | ATAAATTGGA | AATGGTGCAG | 132360 |
| CCAGGAAAGG | AGCAAAGGTC | TGAGGAGGAG | GAGAAGGAGG | AAGAGGAGTT | GTATCATTAT | 132420 |
| AAATACTTGA | GGAAGAGGAG | GAGAAGGAGG | AGGAGGAGGA | GTTGTATCAT | TATAAACACT | 132480 |
| TGAGGAAGAG | GAGGAGGAGA | AGGAGGAGGA | GGAGTTGTAT | CATTATAAAC | ACTTGAGGAA | 132540 |
| GAGGAGGAGG | AGAAGGAGGA | GGAGGAGGAG | TTGTATCATT | ATAAACACTT | GTGACGGTCC | 132600 |
| CAGCCCCAAG | ATATAGGCAT | GCTAATAAAC | TGAGGCTTAA | CACTTTGACT | ACAGAATGCT | 132660 |
| GCTTCTCCCT | AACACCATCA | AGGCTCCAAC | TGAATAACAA | TGAATTATGA | ATGAAAGAGC | 132720 |
| TGTAAGGAGA | GACAAAAGTT | AGAATGAGAC | AAGTATTGTT | ATCTAGAGAT | GCCAAGAAGG | 132780 |
| CAAGGAAGAT | AACTAAAAAG | GCACTCTGGA | TTTAGAAATA | GGAAGTCATT | AGTGACCTTG | 132840 |
| TAAATAATGG | AGCCAGAGGA | ATACCAAGGG | CAGAAGCCTC | ACTATAGTGT | GTTGCACCTG | 132900 |
| TCAGAGGTCA | GGAGGTGTAA | CTGACTCTCC | CACAGTGTGG | CTTTGGAAGA | GAGAAGTCAG | 132960 |
| CAGCTGCATG | GAGATTTGGG | AGAGGGAAAG | CTTTTTTTTT | TTTTTTTTTAA | TTGGAAAAGA | 133020 |
| CTGAGCTATG | TGTAAATAGA | ATAAGACAGG | AAGAGTGTAG | ACACAGGAAA | GAGGGCAGAC | 133080 |
| AAAAACAAGT | GCACAGTTAT | CTAAGGGAAA | CAATGGGATC | AAGCTGCAAG | TATATAAACT | 133140 |
| TGTCTTGATA | GAAGAATCCT | TGATCTGGTT | TATTCAGTGT | TTGGTCCAAA | CCCACATCCC | 133200 |
| TGTTCTGCCT | GTCTCTGACT | TGCTCTGTGC | CCCAGAAGCC | CAGCTTCTAC | AGATAGCATT | 133260 |
| AGCTGGGCAG | CCCTGCCCTC | TTGCAACAGC | TGGATTTGGC | CAGTGATCAG | CCCAGCAGGA | 133320 |
| ATGTAGATGG | CAAAGGAGAG | AGAGGTTAGT | GTACTTATTC | CCTGCATCAC | CCCCCTGCTT | 133380 |
| GGTGGGCAGC | TCTTCCTCCA | CAGTCCCAGC | TCTGGCCTAG | CTCTGGTTAC | AGGTTCCCTC | 133440 |
| CCATTGCCTC | TTCAGATTTA | AAGGTGTGTC | TGTCAGGGTA | TAACTGGGAG | CTAGAAATTG | 133500 |

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| CACTGAAATT | GAACAAAGAA | TTTTATGGGA | ATGGTTGTTA | ACTAGTTATA | AGAGGACTGA | 133560 |
| AAATGGAAAA | GTGGAACAAA | CGTATCAGAG | ATAGTAATGA | CAGAAAGCAA | CTACCACCTC | 133620 |
| CAGGTTTAGG | AGAACAAGGA | AAAGATTCTT | TGAAGAGATC | CCCAGAACTG | GGACCTCTGA | 133680 |
| GGAGTGTATG | CTGGACCACT | GATGATGATA | TGTCTGTAGA | TAGAGGCATG | ATGAGGCTGA | 133740 |
| TTTTAGGAGC | ATGGAAGATC | TCCAAACTGA | AGCCAACTGC | TGTTACTGGA | TTCAACTGCC | 133800 |
| ACTGCCAGGT | TGAAGAACCC | ATTCTGTGAG | GATGTCAACA | AACAAAGTGG | GAAATCTTTT | 133860 |
| CACATCCTTC | CAGCCCTCTA | GTCTTCCTCC | AGTGCTTTCT | ATTGGTAGGG | TTTGGGGAGG | 133920 |
| TGGCTAGCAA | AGCGGTATTG | GAAAAGATAG | AAGAGACTAA | ATCTTCATAA | CCAGCACAGG | 133980 |
| GTGACACTGG | ATCACTACTG | TTGCTGATCT | TGGGCTGCCT | CATATCCCCT | GTTCTTCCCA | 134040 |
| TTAGCCCTGT | CACAACTTTG | TAGATATCCC | TTCATTATAT | GCCCTTCATA | TATTCTTTTG | 134100 |
| GTTTAACTTT | TTCTGTTGGA | ATCCTAATAT | GGCACTCCTC | CATTTTTCAG | GACCAAAAGA | 134160 |
| GTATAAAAGA | TTATCTTTTA | CCAAAAAATA | GACAAAAAAC | TGATCTAATT | CCTGATTTGA | 134220 |
| TCATTACACA | ATCTATACAT | GTATCAAAAT | ATCACATAGT | ACCCCATAAA | TATATACAAC | 134280 |
| TGTGTCCATT | AAAAATAAAA | ATTAAAGAAA | AGATGGTAAA | TATAGCTCTG | TCAGGCAGTG | 134340 |
| GAGGTTTTAC | CACGATGGCT | GTTATTTCCC | CCATGAAGGG | GGGAGTGAGG | GAGCAGCTGA | 134400 |
| AAGTAGGTGC | TTATAGGGGT | ATAGAGGGGC | TCAAAGCTTT | GAGAGAGGAG | AATGTCTGAA | 134460 |
| AGAGCTGCCA | AATAGCATGC | AGGTCCCATG | GGGGCAGAGC | CTCTGCTCAT | TCACCAGTGC | 134520 |
| CTCTTCAATA | TCTACACTTA | AGCCTAACAC | AAAGTGTGTG | CTTAATAAGT | ATTTGCTGAG | 134580 |
| TATGTAAAGT | GGAAACAGAA | CCAATCTGGC | AAACTTTGTA | GGACTGGTGG | GCAATGAAGA | 134640 |
| TCAGTCAGGT | AAAATCTGTG | GATATAAATT | TATATTGATC | AAAAAATTCA | AGGTTAGGTG | 134700 |
| TTTTTCTTCA | GTCATGCTCA | ACGATGCTTC | AGCCATGCTC | AACTCTTCTG | TAGCCACAGA | 134760 |
| AAAAAGTTTA | CCCATAATCG | AGCTGTGTCT | GTGTCTGAAT | AATGAAAAGA | CCATGATGCA | 134820 |
| AGGGAGTTGG | AGACACAGAA | ACAGTGTTTG | AAGTAATGGG | TAATGGAAGC | ATGCTACCAG | 134880 |
| GGAAAGGAAA | GAAGTGGCAA | TAGGAAGGAA | CAGAGATCTG | TGGTCCTATG | TCCCCTGAGC | 134940 |
| ATATTCACAT | GTAAAGCTA | ATTCAGTTTT | CAATCATCAT | TAAAATTTTG | TTCCTAAATA | 135000 |
| TATGGCCATT | ATTTTCCACA | ACCACACTAA | AACTTTATTA | CCTCTGGCAA | GTGACTATGC | 135060 |
| AAGTAACTAA | GAGCAAAAAT | ATCCACAAC | ACCATTTGAG | CTATCAATTT | AGGGAAAGTC | 135120 |

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| ATCTGGCTAT | AATCTAAGTG | ACCCTCCACT | GAATGTCAGT | ATCTTTGCAT | ATGTGATTTA | 135180 |
| AATCTGGGCC | TTGCAACAC | CATGAACTGT | TCTTGTCTTG | AATATCCAGA | TTGAAGGAAA | 135240 |
| TAATCTGAGT | AGTTACGAGT | CCTGAAGCTA | GAAAGATGGA | AACCCCATTT | GCTCATCAGA | 135300 |
| AAGCCTTAGA | GCTTGGGCGC | TGGCGGGTCC | TGTCTCACCG | GGACAGAGGG | GCTCTTTCCT | 135360 |
| CCCCATCTGA | TAGTCTGATA | ACTAGAGAAG | CCGGCCAAC | TATTCTCCA | GAAGGAGCCA | 135420 |
| TCTTAGTTCC | TCCTGAAATG | TTCATATTTA | GAAATTATTG | TTTGTGAGTA | ATTTAACCCC | 135480 |
| TTAATGGGCT | TGCCTTGTGG | TCCATACCAC | TGAGTGCAGA | GCTTGCCTGG | AAGAATTGTG | 135540 |
| AGGGCCATTC | CATCTTCCAG | GCAGTAGAGT | TCAGTACTTC | TTTAAAATTG | CTGCTGAACT | 135600 |
| CTGTATTTGA | AAAGAAAGAA | TCATTTGGGT | GTGGTAGCTC | ACACCTGTAA | TCCTAGCGCT | 135660 |
| TTGGGAGGCT | GAGGTGGGAG | GATCATTTGA | TGCCAGGAGG | ACCACTTGAG | ACCACCCTGG | 135720 |
| GTAACATAGC | AAGACCCTGT | CTTTAGAAAA | AAAAAATACA | ATAAAATAAA | TACAATAAAA | 135780 |
| ATAAAAGCAA | AAAGAAAGAG | TCCATCTTAG | GGACAGACTG | TAAGTACTCA | CTGGAGCTTA | 135840 |
| CCTTTACATA | GTTTCAAGATC | AATTATAATA | AAACACTTTT | GTGCAGATTC | AATAGGATTA | 135900 |
| TTTTAATCCC | CATCATCTCT | CTGAGTTTCC | AGTCAGTTTC | TCTGCATGTA | GACACCCTTC | 135960 |
| TCCAGCCCAC | CATTGTCTCT | CCTCCTATAG | CTCCACCAAC | AAATCAGAAC | TTTTTCTAAC | 136020 |
| TGCACCTAGT | GCACCTAGAG | TCTACTCCAG | AATGCTCATG | GAGAAAGTTT | CTGAAAGGTA | 136080 |
| AAACTCTGAA | TGATATTTGT | AGCTAAAGGG | AGACTTGCTA | GAGACAATAA | GCTAATAGTT | 136140 |
| GTAGACTTCA | GTAGAAGAGG | AATGACACTG | CAATGTCAGG | GTGCAGGACT | TCAAGAGGGC | 136200 |
| AGAGTATGGA | AACCCAATGG | GAAAAATGCT | CACCAGGAAC | ATGAAGAGAA | GGAATTACGT | 136260 |
| GTAAGGATTT | CTCAATGTGT | TCCCAAATTT | GCCCAGCAGA | GGGAGGCCTC | GGGTTGATGG | 136320 |
| CAGGCTGACC | ACACAATTAA | AGAAGGCTGA | ACCTGGGGGC | TTTTAACAAC | CATCGTGGGC | 136380 |
| TCTACTGTAA | GCATTTAGAA | AAAGAAAGTT | ATCCATTCAA | AAATATATAT | ATTTTAAAC | 136440 |
| TTCAGAACAA | AATTATGAAG | AGCTATATTT | ACTTTTCTAC | ATTCTAATTT | TTATAAATCT | 136500 |
| GAGTATATTT | TGCATATATT | GTTATAGTAC | ATATTCAATT | TTGTATTTTG | CTGTTTTTAC | 136560 |
| TTAACCATTT | TTACTAGATT | ACTCTGTGTT | CATAATAATC | ACTTTTTTAA | AACTTTTATT | 136620 |
| TTTATTTATT | TATTTTTTTT | TTGAGTCAGA | GTCACACTCT | GTCGCCCAGG | CTGGAGTGCA | 136680 |
| GTGGCGTGAT | CTTGGCTTAC | TGCAACTTCC | ACCTCCTGGA | TTCAAGCAGT | TCTCCTGCCT | 136740 |

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| TAGCCTCCTG | AGCAGCTGGG | ATTACAGGTG | TGCACCACCA | AGCCCGGCTA | ATTTTTGTAT | 136800 |
| TTTTAGTAAA | GACGGGGTTT | CACCATGTTG | GTCAGGCTGG | TCTCCAACCTC | CTGACCTCAT | 136860 |
| GATCTGCCCA | CCTTGGCCTC | CCAAAGTGCT | GGGATAATCA | CTTTTTATGC | TGCATAATTC | 136920 |
| TTCAGATTTG | TCAGTACGAC | TGTATTTACA | CTCATTTGTT | TTATTAGAAA | GAATTCCAGA | 136980 |
| ATATTTTGGC | TGCCCTAATT | AATTTTACAA | TTAATATGAT | TTTGAAATTG | GGTATTGGCT | 137040 |
| CCTTCTGAAT | TGGTTTATTA | AAATATATTC | TAATGTAATT | TATGACATTT | TCATCATATT | 137100 |
| AGCATATTTA | TTCTGTTAGA | ATTTCATAAT | TTATAAAGCT | ACAAACTGTA | TGTGATATAG | 137160 |
| CTTGTAACCT | TATCTCATAA | CTTTATGCAG | TTACAAGTAG | AAATAAAATG | TTCCCCCTCAA | 137220 |
| GATTGCTTAA | AATTTTATTA | TAAACAAGTG | TAAAAACAA | AATCACTAAA | ACACTCCCTC | 137280 |
| TTTTTTCCCC | CAAAATGCAT | GTTTCCATTT | TAACAGAACC | CGTATTTAAT | CAGCAGATTT | 137340 |
| CTATGGTGGC | TAGATTTGTA | GACTAAATAT | TAAAAGTCCC | AAAGCAAATG | CATTTTTCTC | 137400 |
| TTAAATTTTA | CTGACTTTTT | TTTTTTTTCT | TTTTCTGAGA | CGGAGTCTTG | CTCTGTCGCC | 137460 |
| CAGGCTGGAA | TGCAGTGGCA | CAATCTCGGC | TCACTGCAAC | CTCCGCCTCC | CGGATTCACG | 137520 |
| CCATTCTCCT | GCCTCAACCT | CCCGAGTAGC | TGGGACCACA | GGCGCCCGCC | ACCACGCCCA | 137580 |
| GCTAATTTTT | TGTATTTTTA | GTAGAGACAG | GGTTTCACCG | TGTTAGCCGG | GATGGTCTCG | 137640 |
| ATCTCCTGAC | CTCATGATCT | GCCCCACCTCA | GCCTCCCCAA | GTGCTAGGAT | CACAGGCATG | 137700 |
| AGCCACCGCG | CCCCGCCTAC | TGACTTTTAT | CCAAAGAAAA | TATAAGAGCT | CTTCATCATA | 137760 |
| ACGTATGTTT | CTTGCTCTTG | TTATTAAATA | TGACACATTT | AGACTTAAAC | TGATTTGAAG | 137820 |
| GTTTATGACA | TTGTTTAAGT | TATTACATAA | TTAATTCATA | AAGATAATGA | CTAGTTTGAA | 137880 |
| CTACTGACAG | CTCACACATC | ATCAGTTGAA | CAGCAGAAAG | CTTATTAAGC | TACTTTCTTA | 137940 |
| TGTTTCTGTC | TCCAGCTAC | TAAAAGAAAC | GAAACCCTTC | CAGGTGTTAA | GGCAAAACTT | 138000 |
| TCCTCCCCCT | TTCTTCTATA | AATCTGATTC | CATGTTAGTG | AAATTTCTAC | TGATGGCTTT | 138060 |
| GGTTTCCTCT | ATAGTAGAAT | AGAGATCCTA | TGGCAAAAGT | CATGTCTGAC | ATGGTAGCAA | 138120 |
| ATAGAAATGG | GGAAAAGGAA | GGTCTGCAAG | AGCCAATGTG | GGAAATGGGG | AGAGGACTGA | 138180 |
| CTACAAAAAC | CCAGCAGGAA | TTCCAGAAGA | AAACTCCTCA | GGACGGGCAC | ATTGGCTCAT | 138240 |
| GCCTGTAATC | CCAGTACTTT | GGGAGGCCGA | GGTGGGCAGA | TCACTTGAGT | CCAGGAGTTT | 138300 |
| GAGACCAGCC | TGGTCAACAT | GGCGAAACCT | CATCTCTACA | AAAAATAAAA | AAATTTGTCA | 138360 |

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| GGCGTGGTGG | CATGCACCTG | TAGTCCCAGC | TACTCAAGAG | ACTTAAGTGG | GAGAATCACT | 138420 |
| CGAGCCTTGG | AGGTGGAGGT | TGGTGAGCCG | AGATCACGCC | ACTGCATTCC | AGCCTGGGCG | 138480 |
| ACAAAGTGAG | ACGCCATCTC | AATCAATCAG | TCTCCTCGAA | AAGCAACATT | ATGGAGAGAC | 138540 |
| AGGATTCCGT | CAAGGCCTGG | GGCACACAGG | AAAATATTAA | GGCAGAAGAG | AGTTTCCTCC | 138600 |
| CCACACCACA | CCGTATCCCA | CAGGCACTGC | GGATGTGCAT | ATGCAAGAGG | GGTTGATCCT | 138660 |
| AAGAATTTAG | AGTCACAGAG | GAGGAGGCAC | CAAGCAGACT | GTGGAGAAAG | TCATGACCAG | 138720 |
| AAAGGGACAG | AATGTAAAGC | TTCAGCTGAT | TATCTGGCCT | CAGGGATTCC | AGAGGAACTG | 138780 |
| GTCCCAATGG | TCTCCTGGTG | ATGTAGGTTT | TTAGGTTTCT | TTTACAGGGG | TTTTCTGGGA | 138840 |
| GATCGTTGAC | CCAGTTAGCA | TTCAAGCAAC | TTCCACCCTG | CACTTTTATT | CTTTCCCCTT | 138900 |
| CACCTGCTTA | GGTTTTATCT | GTCCAGGCAA | TAATAATAAA | ATTATTGAGC | CCTGGACATG | 138960 |
| TACCTGTAAA | GCTCCTTAAA | GATGATGCCT | TCTAACTCCT | CATTCAACAG | ATACAAAAC | 139020 |
| ATTACAATAA | AATGACTCAT | GCAAGACACC | CAGGTAGTTT | ATAGCAGCTA | ATAAAAACAG | 139080 |
| AATAACTATA | AAATATGGTA | AGTTTATAAA | AGTTACATTG | AGTATACTTT | ATAAGAACTG | 139140 |
| CTTATTGAGT | TTGCCTAATA | ACCACACAGC | ACAATAATAA | TATGTATATA | TTTTTAAATA | 139200 |
| TGTGTAAATA | TGTGTAACAC | AAACTTGTAG | AAGGTATATC | TGAGTACAAC | CCTATTCTGT | 139260 |
| TTGGTTACCT | TTTCTAGTTC | ATTATGTAAG | TGGCATAGCT | ACCTAAGGAC | TTATGCTTAT | 139320 |
| AAATGTTACT | CAAAAAAATA | CAGAGGACAT | ATGTGGATAG | ATAATGGAAG | AGATAAGATA | 139380 |
| GGTAGGTTGA | AGGGTTGGGC | TGCCCCCTCA | CACCTGTGGG | TGTTTCTCGT | TAGGTGGAAT | 139440 |
| GAGAGACTTG | GAAAAGAAAG | AGACACAGAG | ACAAAGTATA | GAGAAAGAAA | AAAAGGGGTC | 139500 |
| CAGGGGACCG | GTGTTTACAG | TACGGAGGAT | CCCACCGGCC | TCTGAGTTCC | CTTAGTATTT | 139560 |
| ATTGATCATT | ATTGGGTGTT | TCTCGGAGAG | GGGGATGTGG | CAGGGTCAAA | GGATAATAGT | 139620 |
| GGAGAGAAGG | TCAGCAGGTA | AACACGTGAA | CAAAGGTCTC | TGCATCATAA | ACAAGGTAAA | 139680 |
| GAATTAAGTG | CTGTGCTTTA | GATATGCATA | CACATAAACA | TCTCAATGAC | TTGAAGAGCA | 139740 |
| GTATTGCTGC | CAGCATGTCC | CACCTCCAGC | CCTAAGGCAG | TTTTCCCCTA | TCTCAGTAGA | 139800 |
| TGGAATATAC | AATCGGGTTT | TACACTGAGA | CATTCCATTG | CCCAGGGACG | AGCAGGAGAC | 139860 |
| AGATGCCTTC | CTCTTGCTCT | AACTGCAAAG | AGGCGTTCCT | TCCTCTTTTA | CTAATCCTCC | 139920 |
| TCAGCACAGA | CCCTTTACGG | GTGTCGGGCT | GGGGGACGGT | CAGGTCTTTC | CCTTCCCACG | 139980 |

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| AGGCCACATT | TCAGACTATC | ACATGGGGAG | AAACCTTGGA | CAATACCTGG | CTTTCCTAGG | 140040 |
| CAGAGGTCCC | TGTGGCCTTC | CTCAGTGTTT | TGTGTCCCTG | AGTACTTGAG | ATTAGGGAGT | 140100 |
| GGAGATGACT | CTTAACGAGC | ATGCTGCCTT | CAAGCATTTT | TTTAACAAAG | CACATCTTGC | 140160 |
| ACAGCCCTTA | ATCCATTTAA | CCCTGAGTTG | ACACAGCATA | TGTCTCAGGG | AGCACAGGGT | 140220 |
| TGGGGCTAGG | GTTAGATTAA | CAGCATCTCA | AGGCAGAAGA | ATTTTTCTTA | GTACAGAACA | 140280 |
| AAATGGAGTC | TCCTATGTCT | ACTTCTTTCT | ACACAGACAC | AGTAACAATG | TGATCTCTCT | 140340 |
| CTCTTTTCCC | CACAGGAGGT | GATGGCCGGA | AGAACATGGC | AGAGGGCAAA | ACAAAACAGC | 140400 |
| ATTGGGAACA | AGCTCTGTTT | AAAAGGAGAC | TTGTGAACAG | CAAAGAGTAG | AAAGGGTTCT | 140460 |
| CTTACAACCTG | AAGCCCATGG | AAGACAAATG | TGTACTGCGT | GAGTTTTAAG | GCAATAGGAG | 140520 |
| TAGTGGGACC | TAGGGCACAC | CAGAGAGCAT | ATTAACCTCTC | AACTTTTAA | AAACATTATA | 140580 |
| TCTGCTGGAC | ACAGTGGCTC | ACACCTTAAT | CCTACAACCTT | TGGGAGGCCG | AGGCGGGCGG | 140640 |
| GTGTAGCTTG | AGCCCAGGAG | TTGAGACCA | ACCTGGGCAA | CATGGCAAAA | TCCCGTCCCT | 140700 |
| ACAAAACAAA | CAAACAAAAA | ACAAAATTAG | CCAGGCACGG | TGATGCGTAC | CTGTGGTCCC | 140760 |
| AGCTACTCAG | AGGCTGAGGT | GGGAGGATCG | CTTGAGCCCC | GGGAGGTAA | GGCTGCAGTG | 140820 |
| AGCCATGATA | ATGCCACTGC | ATCTCAGCCT | GGGCAACAGA | GGGAGAACCT | GTCTCAAAAC | 140880 |
| AAAAACAAAA | ACACACCATA | CCCAACCACA | ATGCATCTGT | CTTAAGTACC | AGTACCACAC | 140940 |
| CCCTCTACTC | ACTACTAAAT | AGGTGAGTTC | CCAATCCCTG | GTAGCAGGTT | TAAGCATGTT | 141000 |
| ATATTAAAGG | TCTTAGGCTA | GTGACTCATT | CACTCATTA | ACAAATACTT | ATTGTGCATC | 141060 |
| TACTATAAAC | TAAGTACTGT | GCTAGGTACA | AAAGCAAATA | ATCTAAGCTC | TATAAACTTT | 141120 |
| ACTTTCCTCA | TCAACAAAAT | GGAGATGTTT | TAGGCATCTA | CTCATCATTC | TGAGCTCCAT | 141180 |
| CTTTTGTGAC | TGTAGTTGGC | AGAGCTTTTT | ATCAGTTTCT | CTAAATAGCT | CTACCAGTCC | 141240 |
| CTGGTGGATG | CTGGCATGCC | CAAAGGATCC | ATCCTGATGG | CCCTGTCTGC | TTACCTTACC | 141300 |
| TGCCTGCCTT | TGCAGCACCG | CTCTGCTCTT | CTGCAGGACT | TCCCTTATCC | TTTGGGGTCT | 141360 |
| TGCTGCTCTT | AGGCTGCTCT | GCTTGTTTTG | ATCTGCTTTG | CATCACATGT | ATGTAAAGGT | 141420 |
| CCTTTCCTTA | TTTACCCATG | ACCAAGGTAT | TATGAGATTC | TGGAATTTCC | CCAAACCACA | 141480 |
| TTGATTGCTG | GGAGAATAGA | AGAAGTGGAT | TACAAGTGGG | ACTTAGAAGG | GGAGTATTCTG | 141540 |
| AGAAGACGTC | TCTGCAAATC | CATTTAGAGA | GACCTTTCTC | CAGTGGTGAC | TCAAAGATGC | 141600 |

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| AGCTCCTTTC | ATCCTGTGGC | TTGGCCATCT | TCAGCACATG | GCTCCCAAGG | ATGTCCTCAG | 141660 |
| GATGGTCTCT | AATCCAAGGA | GCCTGAAGAG | AAAAAAAGGC | ATGGAGTATT | GTGAGTGGTA | 141720 |
| GGTGGTTATG | GACCAGTTAT | GGAAGAATAC | ACATCACTTT | TGCCCACCTT | CTACTAACCA | 141780 |
| GAACTCACAC | AGCCATAGAC | ACTGACAAGT | AGGACTTAAC | AAGAATCTAA | TTTTGAGTCT | 141840 |
| AGGAATACGA | CTGTAGCAAA | TATTTAACAG | CTTCAAACAC | AGGTGCATTG | CTATCACTAT | 141900 |
| GCTTGGCCCA | GGCCTGTCTC | CCTTTCCTGC | CATGTCACAG | GGGCCAGCAT | TTATGTCTAG | 141960 |
| ATTGGGTTGG | TTGGGATATT | AAGACAATAA | TGAACCAATA | CAACATCTTG | AGCATAAAAC | 142020 |
| CAACTGATAC | AATGATGTAC | AAGTCAGATG | ATTCTGATGA | TTATGAATTA | TGTCAATAAA | 142080 |
| AGAAATGTGA | TAACTAAGGT | AATTTTTGTT | TTGGCAAATT | TTTGTTTGTT | CATGACAGGA | 142140 |
| TGAAATCCTG | TCATTTGTAG | CAACATGGAT | GGAATTGCAG | GATACTACAT | TAAGTGAAAT | 142200 |
| AAGCCAGAAA | CAGAAAGTTA | AACACCACAT | GTTCTCACTT | ATATGCAGAA | GCTAGCTAAC | 142260 |
| TAAGTAAATA | AGTTTATCTC | ATTGAAGTAA | AAAGTACAAC | AGAGATTACT | AGAGGCTGGG | 142320 |
| AATGGTAGGG | GAAAGAGATG | ATAAAGAGAG | ATTCATTAAA | ATAAGTTACA | GCTAGATAAG | 142380 |
| AGCAATCAGT | TCTAGTGTTT | TATTTGTACT | ACAGAATGGC | AATAGTTAAC | AGTAATAAAT | 142440 |
| AATTTCAAAG | AGCTAGAAAA | GAGGACATTG | AATGTTTCCA | ACACAAAGAA | ATGAGAAATG | 142500 |
| CTTGAAATAA | TGGATATTCT | AATTAATTAC | CCTGATCTGA | TCACTATACA | CAGTATGTAT | 142560 |
| AAAAATAACA | CTATGGGCTG | GGCGCAGTGG | CTCACACCTG | TAATCCCAGC | ACTTTGGGAG | 142620 |
| GCCAAGGTAA | GCAGATCACT | TGAGGTCAGG | AGTTAGAGAC | CAGTCTGGCC | AACATAGTGA | 142680 |
| AACTCCATCC | CTACTAAAAA | TACAAAAATC | AGCCAGGCGT | GGTGGCATGT | GCCTGTAATC | 142740 |
| CCAGCTACTC | AGGAGGCTGA | GGCAAGAGAA | TTGCTTGAAC | CCAGGAGGCG | GAGGTTGCAG | 142800 |
| TGAGCCGAAA | TCGCGCCACT | GCACTCCAGC | CTGGGTAAAC | GAGCAAGGCT | CTGTTTCAAA | 142860 |
| AATAAATAAA | TACATAAATA | AATATTTTTT | AAAAAAAGAA | CATCACTATG | CACCCCATAT | 142920 |
| ATACATATAA | TTATTATGTC | AATTTGAAAC | ATAATTTTGA | AAAATGAAAA | AATGAAACAC | 142980 |
| AAATATGAAT | CAATCCTCTC | CAAGTTGATA | TACTTAAAAG | GAAAAAAGTC | CGAGGGCTTA | 143040 |
| AACTATTCAA | TCAAAATTTT | ATTAAAATGC | TATAGTAATC | TGGAAAGTAT | TTCAGAATGA | 143100 |
| ATTGGTATAA | GGTTAGACAC | AAAGATCAGT | GAAACAAAAT | AGAGAACCCA | GAAATAGATT | 143160 |
| CACACATCTA | TGGACAACTG | GTTTTGACAA | AGGTGTCAAG | GCTATTTAAT | AAGTAAAAAA | 143220 |

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|------------|------------|------------|------------|------------|------------|--------|
| ATCGTCTTTT | CAGTAAATGT | TTCTTGAACA | AGTAGACATC | CGGTGTGGGG | GAGAGGAGCA | 143280 |
| GGAGCCTTAC | CTCAAACCTT | ATGCAAAAAT | TAACTCAAAA | TAGACCATAG | ACTTAAATGT | 143340 |
| AAAAGCTAAA | ATTATAAAAC | TTCTTTAAAA | AATAGGAGAA | AATCATCAAC | ACCCTAGGAT | 143400 |
| TAGCAAAGAT | TTCTTTAAAA | CAAAACAACA | GGTTTATAGT | TTATAAAACA | TAAATAACAA | 143460 |
| AATGATAAAT | TTCATCAAAA | GTGAAAATTT | GCTTTTCAAA | AAACATTATA | AAATGAAAAG | 143520 |
| CAGGAGGCTG | AGGCATGAGA | ATCACTGGAA | CCCGGGAGCT | ACAGGTTGCA | GTGAGCCAAG | 143580 |
| ATGGTGCCAC | TGCACTCCAG | CCTGGGTGAC | AAAGTGAGAC | TCTTCCTAAA | AAATAAATAA | 143640 |
| ATAAATAAAT | AAATAGAAAA | GAAAAAGAAA | AATCACAGGC | TGAGAGAAAA | TATTTATAAT | 143700 |
| ACATGTATCT | GACAAAGGAC | TCGCACCTGG | AAAATATAAG | GAACCTTATA | ACTTAGTAAG | 143760 |
| ATGACAAGCC | AAAACAAAGA | GTAAAAGTTT | TCAACAGACA | TTTCACAAAA | GAAAACATAC | 143820 |
| AAATGGCCAG | TATGCACATG | AAAAGATTTT | AAACATCATT | AGTTACTAGG | GAAATGCAAG | 143880 |
| TCAAAACCAC | AATGAGATAC | TTCACATTCA | ACAGAATAGC | TAATGTTAAA | AGGACTGACA | 143940 |
| ATCCCCAGGG | TGAGCAAGGG | TGTGGAGGAA | ACTACTCTCA | TATATTGTGA | ATGTAAGAGG | 144000 |
| CATTTTATGA | TATAACTGAA | TTCAGTTTTA | TGTATAACTG | AATTACGGAT | ATGAGAATCT | 144060 |
| CAAATGAGGA | CGAATGGTTT | TTACGCACAA | AACATGAGAC | ACAAATCTGT | AAGAAATATA | 144120 |
| AAGTCGTGAC | CACGTCTTTT | CAGAACTTTA | ACCTGTTTGC | TGAAGTACGT | CAGTAACAAT | 144180 |
| GGCAGGGAAA | GGGTATCTTA | AATTTACCA | CAGCCTCAAA | GAGGCCATTT | CGTGGATCCG | 144240 |
| CTGAGGCTTG | GAGTCGGCCT | TCTGACCACG | AGTCCTGCGG | CTATGAAAGA | GGAAGCCGCG | 144300 |
| GTTCAGGGCG | TCCTCGCGAG | TCGCGCAGCC | CGCCCTGCTC | CAGCTGGGGA | CACAGGTGGT | 144360 |
| CACGGCGCTT | TCCAGCTGCA | GATCCAGGCG | GCAGCCCAAG | ATTTGGTCCA | GCCGCCAAGG | 144420 |
| GGTGGCTCGA | GTGACTGACG | GGCCTTGAAC | GCTCCCAGGA | CCCACATCTG | GAGAGGGAGG | 144480 |
| TGGGGGTGGG | GTGCTGAAGT | CATTCTTGGG | GCCCCTGGGG | GCGGGCATGG | ACCTGGGTAA | 144540 |
| GGCCAGAGAA | ATTGACACCT | CGTGACATCC | CTGGAAGAGA | AGTACGTTCA | GTGTCACTCC | 144600 |
| AGAGCTGAAA | GATACCGCCT | TCTGGCTGGT | CCCTCCTCAC | CTACATACTT | TTCTAATTTG | 144660 |
| TCTGGAGCAG | GCCGGGCATC | TGTATTATCT | GTTTATTTAA | ATATCTGGTT | ATTTAAAAGC | 144720 |
| TCTCCATTAA | ATTCACATAC | ACGAAAATAA | AAATTAAAAA | AAATTTTAAA | AAAAAGAAAC | 144780 |
| AAAAGCTCTC | TAATGACCAA | GTCTACACG | ATAGTGAATA | AATTTTTTTG | TGTGGTCCCT | 144840 |

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| AAAATTGAGT | TCATGCCTTT | TCTGAAGTAA | TAGACGCCCA | GAGAAGGGAT | CGACTTACCC | 144900 |
| ATCATGCCAC | AGAGATTAAT | TGGCCCCAGA | ATTCTTTAGC | AGACCGTGTA | TATGAACGTC | 144960 |
| CTTTGCAATC | ATATAAATTA | ACTGGGAAAA | CCTCATTTAG | TATGTTACAT | GCCTAGCGTT | 145120 |
| TTGTGCCTGA | ACACCTTACA | AGAACCAGGG | ACTATTGCCC | CAATATTATA | TTTCAGGAAA | 145180 |
| GGAAGGCCCA | GACAAATGGT | GTCACTGGTC | CACTTTCACC | CAGTTGGTAA | ATGAAACCAG | 145240 |
| AAATTATAGC | TGTACCACAG | AAAGGTGAAA | ACGTTTCTTT | TATAATTTCA | CATACAATCT | 145300 |
| TTAATGGACC | CAGTGTCCAA | CACATTAAAG | CAAGTGCTCA | GGAGTGACAT | CAAGATGTAA | 145360 |
| AAAATAGTCC | TGTCCTCAGG | GAGTTTAGGT | CTTGGAGAAA | AGAGACCCAA | GGAGACACAA | 145420 |
| GACAAAGGGG | AAAGAGAAGG | AGCGCTGAAG | ACTGAGGACC | CTGCCTGTGG | ACTGAAGTGA | 145480 |
| GGATGGGGAC | ACCCGATGCC | CGGAATATGA | CAGTTTGGAG | GGGCCTGAAG | GACTCTTCTA | 145540 |
| TTCTCTATCA | GAAAAACAGA | ATTACTCTCC | TAACCAGAAA | AGGTATTTCA | ATTTATATTT | 145600 |
| TCCATCACAG | CACTTTTCTG | GTGATAATTT | AATGTGTTTT | AAAAAATGTA | TCACAGTGAT | 145660 |
| GGCCTGGTGT | GAAATAAATA | ATAAAATTTT | AAGAATTAAA | AAATATAAAA | ATCTTTTATA | 145720 |
| TAGACATTAG | GAGTTACAAG | GATAACTGTG | AATTATAATT | AGTAATTAAA | TTGAAATACT | 145780 |
| GATTATTTTC | ATTTTTATTT | AATTATTTAA | TAAAACCTAT | TTAACATTTA | ATATTTATCA | 145840 |
| GTAATTAAAT | CTAATTGTTA | ATATTTATTA | TTATAAATTA | TTTTAGAATT | AAAAATAAGT | 145900 |
| GTAGAAGCGA | GGCATGGTGG | CTCAAGCCTG | TAATCCCAAC | ACTTTGGGAG | GCTAAGGTGG | 145960 |
| GAGGATTGCT | TGAGCCCAGT | AGTTCAAGAC | CAGCCTGGGC | AACATGGAGA | AACCCTGTCT | 146020 |
| CAATACAAAA | AAATGAGCCA | TGTGTGGTGG | TGCGTGCCTG | TATTCCCAGC | CATTCTGGAG | 146080 |
| GCTGAGGTGG | GAGGATGACT | TGAGCCTAGG | CAGTCAAGGC | TGCAGTGAGC | CCTGATCTTG | 146140 |
| CCACTGCACT | CCAGTCTGGG | CAACAGAGCA | AGACCCTGTG | TCAATATACA | TATGGACAAA | 146200 |
| CTTAAAATTT | AAAATGAAAG | CATACTACTG | ATACAGAATT | GAGTAGAGAT | GCAAAGCTAG | 146260 |
| TCCTATAACC | AGAACAATAA | AGATAAAAAG | GAGAGTGGAA | GAAGGTATGT | CATGAATTTT | 146320 |
| ATGATAAATG | GCAATTGCAA | ATATCCTGTA | GCAGAACAAA | ACAACAAAAT | TGTAGATAAA | 146380 |
| ACATATCCAA | CCCTTTGGAA | GGCCAAGGAG | GGAGGATTGT | TTGAGCCCAG | AAGTTGGAGA | 146440 |
| CCAGCCTGGG | CAACATAGTG | AGACCCTGTA | TCTAAAAAGG | AAGAAAGAAA | AAAAAAAAAA | 146500 |
| AGGATGATAA | AGTAGACAAT | ATTGAAAGCC | ATTTTCTGCA | AATACATAGT | GAATTTGATC | 146560 |

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| AGTAATTTTC | TTCCAACAGT | GCAAAAATGA | ATAGATATTA | GTTGCCTGAA | ATAAAAATCA | 146620 |
| AATATCCAAC | AAAAAATATT | GACTATCTAA | TAGTATCTAA | GCTAGTAAAT | TTGGCCAGTT | 146680 |
| ATAAAAATGTC | TTAAATTTTT | ATTTAAAAAA | AGAAAACCAT | ATTTATAAGA | AGAGGTGATA | 146740 |
| AAGAGAAATT | ATTTTCAGTTA | TGAAGATTTT | GTTAGAAAAC | TATGAGAAAA | AAACTATTTT | 146800 |
| TTGTTTTCAA | AAAGTGAAAG | ATTAAGTTAC | CAAACAGTTG | CTAAAGAATA | CCAGATGGCT | 146860 |
| GAGCGTGGTG | ACTTATGCCT | GTAATCCCAG | TACTTTGGAA | GGCCAAGGCA | GGAGGATCAT | 146920 |
| TTTAGGCCTG | GAGTTCGAGA | CCAGCCTGGG | CACTGTAGCA | AGACCCGTCT | CTATTAAAAA | 146980 |
| AAAAAAAAAA | AAAAAAAAAG | AATACCAGAC | CTTGCTAACA | ATAGCAAAGA | TCAATTAATT | 147040 |
| CAAAATTTGA | AAAACGTGTA | TTTATTTAGC | TTTAGAGTAC | TCTCGTGATA | TGAGATTGCC | 147100 |
| AAATTAATAC | TTTGGGTGCA | TTTCTTTTCT | CAAAGGACTT | GCAAATTTAC | AAAGAAGTGT | 147160 |
| TGAAGAAAAG | CCACACATTG | GCAGGTAATG | TTTGCAAAAG | ACAGATCTGA | TGAAGAACAA | 147220 |
| TATTTTTAGA | ATATACAAAG | AATACTTAAA | ACTCAACAGT | AAGAAAATAA | CCTGATTTAA | 147280 |
| AGCAGGCCAA | TGACCTGAAC | ATCTGTTTAC | CAAAGAAGAT | ACACAGATGC | AAGTATGCAT | 147340 |
| ATGAAAAGAT | GCTTGACATC | ATGTCATTAG | GGAACTGCAA | ATTAAAACAA | GTAGATACCA | 147400 |
| CTGCATACCT | AGTAGAATGA | CCAAAATTTA | GAACACTGTC | AGCACCAAAG | GTTGCAAAGA | 147460 |
| TATGTAGCAA | TAGTAACTTG | TTCATTACTG | GTGAGAATGC | AAAATGTGCA | ATCACTTTGG | 147520 |
| AAGACAGTTT | GGTGGTTTCT | TACAAAAGTA | ACCATACTTT | TACCATAAGA | TTCACCAATC | 147580 |
| ACACTCCTTA | GTATTTATCC | AAAGGAATTG | AAAACCTTATC | TCCACACAAA | AACCTGCACA | 147640 |
| TAGATGTTTA | TAGCAGCTTT | ATTCATAATT | TATCCAAAAC | TTGGAAACAA | GATGTCTTTC | 147700 |
| AGTAGGTAAG | TGGATAACTG | TGGTACTTCT | GAATAATGGA | ATGTTATTTA | GAGTTAAAAA | 147760 |
| GAAATGCATT | CACTTTGGGA | GGCCGAAGTG | GGTGGATTGC | TTGAGGCCAG | GAGTTTGAGA | 147820 |
| CCAGCCTGGT | CAACATGGGA | AAACCCCAAT | TAGCCGGGCA | TAGTGGCGTG | AGCCTGTAAT | 147880 |
| CCCAGCTACT | CGGGAGGCTG | AGATATGAGA | ATCGTTTGAA | CCTGGGAGAT | GGAGGTTGCA | 147940 |
| GTGAGCCAGT | GCCACTGCAC | TTCAGCCTGG | GCAACAGAGC | AAGACTCCTC | TGTCTCAAAA | 148000 |
| AAAAAAAAAA | AAAAAAAAAA | AAAAAAGAA | AGAAAAGAAA | AAAGAAAAAG | AAAAAGAAAA | 148060 |
| GAAACGATCA | AGCCATGAAA | ACACATGAAG | GAAACTTAAA | TGTATGTTAC | TAAAAAGCCA | 148120 |
| ACCTGAAAAG | ACTGCATACT | ATATGACTCC | AACTGATGCA | GGGCAAGCAA | GCCAAAAATT | 148180 |

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| AGGGCTTAGC | CCGGGAAGAA | TTCAAGGGTG | AAGTGGTGGT | GTTAGCAACT | TTTACTGAAG | 148240 |
| CAGCAGTGTA | CAACAGCAGA | ACAGGTACTG | CTCCTTGCTG | AGCAGGGCTA | ACCCATAAGT | 148300 |
| AATGTGCCCA | GAGTAGCAGC | TCAGGGGCAG | TTCTGCAGTA | ATATACCTGC | TTTTAGTTAA | 148360 |
| GTGCATGTTA | AGGGGGATTA | TGCAGAAATT | TCTAGAAAAA | GAGTGGTAAC | TTCGGAGTAG | 148420 |
| GTACAGAGGA | AAGAAGTCGA | TAATGTCCTG | TTGTTGCCAT | GGCAACGAAA | AACTGACATG | 148480 |
| GCGCTGGTGG | GCGTGTCTTA | TGGAGAGGTG | CTTTAACCTC | GTCCCTGTTT | CGGCTAGTCT | 148540 |
| TCAATCTGGT | CCGGAGTAAA | GTCCCTGCCT | CCGGAGTTCA | CTCCTGCTTC | CTGCTTCACA | 148600 |
| ACTGTATGAC | ACTCTAGAAA | AGACAGTAAC | TATGGACACA | GTCAAAAGAT | TAGTTGATAG | 148660 |
| AAATTGGGTG | ACAGGAAGTG | TTGAAAAGGC | AGAACACAGG | ATTTTTAGGG | CAGTGAAACT | 148720 |
| TCTGTGATAC | TATAATGGTG | AATACATGAC | ATTATACATT | TGTCAAAACC | CATAGAAAGC | 148780 |
| ACAACACCAA | GAATAAACCC | TAATGTAAAT | TACAGACTTT | CGTTGATAAT | GACGTGTCAA | 148840 |
| TGTAAGTTCA | ATTGTAATAA | ATGTACTACT | GTGGTGCTGG | ATGTCTATGG | TGGGGGGACA | 148900 |
| TTTTTGCTTC | AATAGTTACA | GTTGAAGTAA | ATGTTTGTGT | TTCCACAAT | GCATATGTAG | 148960 |
| AAACTCTCAC | ATTCAATGTG | ATGGTCTTTG | GAGGTGGGCT | CTTTGGGTGA | TAGTTAGGTT | 149020 |
| TAGTTGAGAT | CCTAGCAGAT | CGAGTCTTCA | TGATGGGCAT | GATGGGACTG | GTCCCTTATA | 149080 |
| AGAAAAGACC | AGAAAGCTAG | CTCTCTCTTT | GCCATGTGAA | GACATAGCAG | GAAGGTAGCC | 149140 |
| ATCTGCAAGC | TAGGAAAGGG | CCTTCACAAA | GAATCAACTC | AGACCTCAGA | ACAGTGAGAG | 149200 |
| ATAAATTGTC | GTTGTTTAAAG | TCACTCAGGC | TGTGGTATTT | TGTTTCAGCA | GCCCAACCTA | 149260 |
| AGACTGTTAA | TTGGATTAGA | AATTTCTTTT | TGGGGATGGT | GTGTGGCGGG | GGGTGCGGGG | 149320 |
| AGTACCTTTG | TTAAGCTTTT | ATATCAATGA | GTTTGTAGGC | TTTTCTTTTT | TGGTCATTGA | 149380 |
| CTAGGACAGT | TTAAATAGTA | TGAGTGTGAA | GGAGATTGTT | GGTCATCTAT | TCGATGTCCC | 149440 |
| TTCTCTGTTT | TTTAATATGA | GAATCCTGA | TTTTCAGCCA | ACTACCCTGG | AAAAAAGCT | 149500 |
| AATCTTTCTG | ACTTCTTAAG | TGTGGCCATG | TACTAAATTC | TGGCTAATGC | AAGGCAAGCC | 149560 |
| AAAGGTTTTA | TGATAGGTTT | TAGGACACTA | GAGTAAAAGA | GAGCTGTTGC | ACACATGCTC | 149620 |
| TTCACCCTAC | TTTTGTGTCC | TTTTTTCCAT | CCTACAACTT | GGGTTGTGAG | TATGATGGCT | 149680 |
| GGAACCTTAG | TGGCTCTCTT | GGATCCCAGG | GGTAATTGAG | GGGTGGCTGG | AAGGAATCTG | 149740 |
| TGATTTTCTG | GAGTTTCCAT | ACACAAACAA | GACCTGGATT | TTCTGGGCTT | CCCAGACTTC | 149800 |

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| CACATCTAGA | CTTGCTTTAA | ATGGGAGAGA | AATAAACTTG | TTTCAGCCAC | TGTCATTTTG | 149860 |
| GGCTATTTTA | TAGAACTTAA | TCTAATCTTC | AAGGGTACAT | GAATTGCTTT | TCCTTAAAAA | 149920 |
| AAAAATCAGC | CATAAAATCA | TCTTCTTTTT | TCTTTTGTTT | CCCACATTAT | TTAGTTGGAG | 149980 |
| CTCTGTAACT | TTTTTTTTTT | TTTTTTTTGA | GACAAGGTCT | TGCTCTGTCA | CTTAGGCTGG | 150040 |
| AATTCAGTGG | CATGACCATG | GCTCACTGCA | GCCTTGCCCT | CCTAGGCTCA | AGCAATCCTC | 150100 |
| GTCTCAGCCT | CCTGAGTAGC | TGAAACTAAG | GCACATGCCA | CCATGCCCAG | CTAATTTCTT | 150160 |
| TTCTTTTAGA | GATGGGAGCC | TTGCCCAGGC | TAGTCTCAAA | CTCCTAGCCT | CAAGTGATCC | 150220 |
| TCCCATCTCA | GCCTCCCAA | GTGACAGGAT | TACAGGTGTG | AGCCACCATG | CCTGGCTGCT | 150280 |
| CTGTAAGTGT | CTGAATTTCA | TTTTGTATTT | ATCAGTCTGT | TTAGATTTTC | TTTCCCTTCT | 150340 |
| TGGGTCAGTT | AGGCCATTGG | TTTCTTTTTA | AAGGTTTTCA | AATTTATTTG | CATCTAATTC | 150400 |
| TTCAAATTAC | TCTCAAAATT | ATTCCAGTAT | ATATTCTTTT | GTTCTTATTT | TCTTCTGTAT | 150460 |
| TCTTTATTAA | AATAGCTAAT | GATTTATCTA | GCAGGACTTA | TATTCTTTCC | ATAACTTTCC | 150520 |
| TGCACCCCAA | TTAATCTCCA | ATTTTATATT | TCTTCTGGCC | TTCCTTATAG | TTTCCACAGG | 150580 |
| TTTATTTTAT | TCATTTTTTA | AACTTTTAT | TTAATTGTTT | ATTTTATTAT | CATTCTTTCT | 150640 |
| TATTCAGCAA | TCTAAGTGCT | TAGGGATATA | GAATTTCTCT | TAAGCAGCAT | ATGCTAGGCT | 150700 |
| TTAACAATGT | TAGGGAGGCC | TCCCCTTTCT | GGGGAAGACC | ACACTTACAT | TAACACAGGA | 150760 |
| CTGTGGGATG | CCAAGAGGTA | GAGAAGAGCT | TATGAATATC | CAGATTACAT | CTTCACTGAT | 150820 |
| CCTGCACAAA | GGTGGGGTTC | CTCGGTTACC | CACTGGGTCC | TATTACCCAA | GTCTGGGTCA | 150880 |
| GCATACCGAG | ACTACGGGTA | TATAGAACAA | GTGCAACTGG | CGATAATCCT | TCTGTTGGGG | 150940 |
| AGAAAAATCT | TTTTTTTCTA | TTCATCTTAG | GTTCTCCATC | TGTGGCCCTA | TCAAGTAGAC | 151000 |
| TAACAAAAGA | CAGATTGACA | AGACAGAAAC | AAAGCATGTG | CATTGTACAA | ACACAGGGGA | 151060 |
| GTACTGAGAT | GAATACTCAA | AAGAGGATTT | AGAACTTGGG | CTTATATAGC | ATTTTAAGAA | 151120 |
| AAGAATACAT | TTTTTAAGTG | ACAAGGAAGA | CGAAAAGGAC | TTTGAGTTTC | TAGTGCAGTA | 151180 |
| AATTGTGGGA | AGGCAACTTT | TTCTTTCCCT | TTTTTTTTTT | TTTTTTTTTA | AAAAAAGAC | 151240 |
| TTCTCTGGTG | CTATGTCCAG | GCTGATAAGA | GTCTAAAGTC | TCTGGTGAAT | AACTTTTGTT | 151300 |
| CTTCCCCGAG | TAAGAAGACA | CCTTCACAAT | TTCATATCCT | GCTTTTAGGC | AAACAGGGAG | 151360 |
| AGGGCAGAGG | TGTTTGTTTG | TTTTTAATCT | ATTTTTTTTC | TCAATTGTCT | TCAACTCAA | 151420 |

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| ATACTTCTTA | TGCCAAAGAT | GGCATATTCT | GCTACCCCTT | ACTTACTACT | TACAACCCAG | 151480 |
| CCTCTATCAT | CATAATTAGA | ACTTCTGACC | CTGGGGAACA | TGGGCAATAG | TTTGAACTCT | 151540 |
| TTTATATCTC | CCTTAGGCAG | AGATGGAGGC | CCAGCCATGC | CTCTGACATC | TAGACACAAC | 151600 |
| TGTTGCTTCA | TTTCTCCTAT | TCTCAGAGGT | GATGTTGTAG | GACTTCAACA | AATATCAGTA | 151660 |
| AACATTAATT | TTTTTTTTTCC | TTGAGGCACA | GCATGATCTT | GGCTTACTGC | AGCTGCTGCA | 151720 |
| GGCTCAAGCA | ATTCTCCTGC | CTTGGCCTCA | CGAGTAGCTG | GGTTACAGGC | CCCTACCACC | 151780 |
| ATGCCCCGGCT | AATTTTTTGTA | TTTTTAGTAG | AGACAGGGTT | TCACCATGTT | GGCCAGGCTG | 151840 |
| GTGTTGAACT | CCTGACCTCA | AGTGATCCAC | CTGCCTCAGC | CTCACATAGT | TCTGGGATTA | 151900 |
| CAGGCGTGAG | CCACCATGCC | TGGCCATCAA | TTTTTATGTC | AACTCTAAAT | TATAACATTT | 151960 |
| AGCAATTTTG | TGACTTTTTTA | TGGTCATCAT | TAATGTTGTT | TATGTTTTAG | TTGTAGTCCT | 152020 |
| GTCATTACTC | ACTCGGGTAT | GGTAATTTGG | TCTTTTTCAA | AATGAAGTTA | AGGTCTATTT | 152080 |
| GCTCTTCTCT | GAATCATAAT | AAGAACTGCC | AACAGCCATT | TCAGCAATAA | CTATTTACTG | 152140 |
| AGATTTTAAA | ATATTTCAAG | GTAATTGGTC | CTAGCAGACT | GGAAAATACC | AAATTCTTTT | 152200 |
| CCAGAACTGA | ATCCCCCATC | AAAGTTCAAT | TTTACTCATA | ATTCCCTTTT | CATTTGAAGC | 152260 |
| ATCTCATTGT | AAGCCAGTCT | TAACCCTTCT | CTCACACTTT | GCTTGGCTGT | TTCTCAGGTA | 152320 |
| GAACTCAGTA | AGTCTGGTAG | CCTCCAGGAC | TGCCGCTTAG | ATTATTAAAC | AACATGTCAG | 152380 |
| TGGTTGGAAG | AGTCAATGTT | ATTTTGATTT | TTCTGTTTTG | TTTTGTTTTA | AATGCAGTTG | 152440 |
| GCGGATAATT | GCAGCTTTCT | TTCATTCCCT | ACATGAGTTC | AAATGGCAGC | AAACAAACTA | 152500 |
| GGAGAACGCA | GACCTTCTGA | CTTGTGGGTA | CCCCTACTCA | TCACCTGAAG | ACCCTTGGAA | 152560 |
| ATCAAAGCCC | TGACCCATTA | AAGACGGATG | GAGACAGCAA | CATACGATCA | TCACTATTAT | 152620 |
| CTTGCTTTGC | CCCAGTCCAG | GTTAACCATC | TGTGGTATTT | TTAGTTGCTA | AGTCCATATA | 152680 |
| TTCAACATAA | ATCAATTATA | TATCCACTAA | AATCTCAGCA | CTAGTCTAAC | TACTAAGGAA | 152740 |
| ATGACAGCGA | AGAAAACAGA | CCAAACGTCT | GCCCTTATGG | GATTTATATT | ATTTTCTCTG | 152800 |
| TGCTGGTTAA | ACCAAGGAGC | TTCTGCTCTT | TTCTTAGTTC | ACCTGGGGGA | GGCAGAAACA | 152860 |
| AAGGAGAATA | TTGATAAACC | TGGAAATAGG | GCCGGAGAGT | ATCAGAGAAG | GAAGCCTTCG | 152920 |
| GGAAAGTAAA | GATGTGGCAG | CCAGTATTCC | CGTTATAAAA | GGATACAAC | CCGGCCTCAT | 152980 |
| AGTCCAGAAA | AATTCCCACA | AGCAGGGGCT | GCTCATGCAG | ATGAAGGGAA | GTTGGGGGAG | 153040 |

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| AAGTAAGTGC | TACATAGCCT | TTCTTTTTGC | ACAGCCTGAG | GGTCCAGAAT | CCAGACTGAG | 153100 |
| GCTCTTGCTT | CATGCCAGTG | CCCCCTGCA | CATTTTCCAT | ACAAACTCCT | AAATCCCATC | 153160 |
| CGGTTCCCTC | GCCAACATCC | ACTTCAAAGT | AACGTCTTCC | TGAGGTGAAG | CCTTCACAAC | 153220 |
| CCAAGACACA | GGGGAAGGCA | GTAAATCTCC | TGGAAGATGT | GTCCTGATTC | TCCTGGGTGT | 153280 |
| ATCCACGAGT | CACTTGTCTC | CGATCCTCAG | AGAGAATTAG | TTCGTGATGA | GCTGTATCTG | 153340 |
| GATCCAGAGT | CACACTAACT | GCAAAACAAA | ACAAAACAAA | CAAAAATAAT | TTTGTGCTG | 153400 |
| TGAAGAACAC | AGGTTATTTT | ATTTTATTTT | ATTTTGAGAT | GGAGTGTTGC | TGTCACCCAG | 153460 |
| GCTGGAGTGC | ACTGGCACTA | TCTCAACTCA | CTGCAACCTC | CACCTCCTGG | ATTCAGGCAA | 153520 |
| TTCTCCTGCC | TCAGCCTCCG | GAGTAACTGC | GACTACAGGT | GCGCACCCACC | ACAAGTGGCT | 153580 |
| AATTTTTTTA | AATTTTCTGT | AGAGATGGGG | TTTCGCCATG | TTGGCCAGGC | TGGTCTCAAA | 153640 |
| CTCCTGACCT | GAAGTGTTCC | ACCCACCTCG | GCCTCCCAA | GTGCTGGATT | ACACAGGTGT | 153700 |
| GAGCCACCAT | GCCCAGCCAC | AAGTTATTTT | CAATAAAACC | AGCCTGTGTT | CAAACCCAAC | 153760 |
| TATTGTTTCT | TATAAACTGG | GTGAGCTTAG | GCAAATCATT | TAACTTTCTG | AGCCTCAGTT | 153820 |
| TGTTAAGTAT | AAAGTGGA | TTACCGTATT | TGTTGCAGAG | AATGGTGGGT | AGGATTGAAT | 153880 |
| AAGCTTATGT | TTGCTTAATG | CTTGGTAAAA | TTCCTGGTAC | ATGGTAACCA | CCTAATAAGT | 153940 |
| GGTAGTTGTT | GGGGTGATCA | GGCCCAACAC | CAGGCCGTGG | GGGCTACAAA | GTCCGGCGGG | 154000 |
| GTCAAAGGAA | TGAGAAAAGA | CAAGTTAAGA | GTGCATAAAG | TGGGTCCAGG | GTGCCAGCAC | 154060 |
| TAGATTGGAG | GCTGCAAAGG | CCCTAAGCTC | TGGGAGCCCA | CACTATTTAT | TGGTGATCAA | 154120 |
| ACAAAGAAGC | AGGTGGTGAG | GACGTGAGGG | TAAACAGGTG | AGGGCATGAG | GACATGGGGG | 154180 |
| TAGAAAGGTA | GTGGTGCATT | AAGCGTAGCT | GTGACAGTTT | AGCATTTTCT | TTGACACATG | 154240 |
| TAGAATATAC | TCTGCTGCTT | GAGATAGTAG | AGGACACGTT | TATGAGTGAA | AAGCAAGGAA | 154300 |
| CCAACAAGTC | TGTGCACTTT | CCAGAGGCTA | TGAGGGGTTT | TATGCCCTGA | GCCCTGGGTT | 154360 |
| CCATCCAAGC | CACAAGGGGT | TTTATGCCCT | AGGCTTAGAT | TTGTGGTGCG | GCAGGGCAGC | 154420 |
| CTTCCACCAT | TTGGCACAGA | GCTTGGTGTT | CCAAAGGCCA | CGAGGGGTTT | TGGACCCTGG | 154480 |
| ACCCCGGACA | TCTTCCAAGA | CTCTTTTACA | TTATGACAGA | CAAGCCAGTC | CTGCTTCAGC | 154540 |
| TCTTCTAACA | ACATGTAGTA | ATAATGATAT | CATCAACATC | ATCTTCGTCT | TAATTATTCA | 154600 |
| AGGATGCCAA | GGTACAGAAC | TAACCTGTTA | ATATGGTTAC | CATCCTGTCC | AAAGTTCTTC | 154660 |

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|-------------|------------|------------|------------|------------|------------|--------|
| TCCCATGCAG | GACTTCCAGG | AATCATGAGA | CAGTTGAGCA | GAAAGATACC | TTTTCCCTTC | 154720 |
| TCTACTGAAT | AACCACCAAC | ATTGAGAATC | AGAGAGGGAA | AATGACTCAG | CTAATGTCTT | 154780 |
| AGCTTGTTAT | TGGAAGACCC | AGGTCTCATG | ACACATGCCT | AGTCCCATGA | CTTTTAATTG | 154840 |
| TAAGCTCTTC | TCTTTCCCCT | CAGATAATGT | TCCATAAGCA | TTAGTATGAG | ATAATAATAC | 154900 |
| ACTGAGGACC | AATATACATG | AAAAATATCA | GACTAGAATC | AAACAAGACA | GAAAAAAGAT | 154960 |
| CTGATAACCT | AAAGTGAGAT | ACTGAACAGT | ATGCAGTTTT | AAAAATAAAA | AATGGTAATA | 155020 |
| GGATGTTCTA | ACAAGAGAGT | TAAGAAACCA | CTGTGCTACT | GAGTTAAATG | TTGATCAGTT | 155080 |
| GGTCTGTGAC | AATTAAGGAA | TTCAAGTATT | CAGAAACACT | TCCTGTGCTG | GATGCTCTCT | 155140 |
| GTTTGTTCTT | CCAAATAATC | CCTCACTTTT | CCCTGTCTTG | CTCTGTGCCC | AGGAAGGCTG | 155200 |
| ACATGGACAG | ATTAACCAGG | CTTTCCGCCC | TCTGGCTTGG | TTCAGCCAAT | GGGAAGCACC | 155260 |
| AGAGGAGACC | ATAGGGCACA | AAGAAGCAGC | CTTGGGAGTA | TTCAGTACCC | CAGTCCCACG | 155320 |
| CTATGATTTG | GAGGGTCTGC | ATTCTCTCTG | CTCTGGGCAC | ACTCTAGTAT | AGTTACAGCT | 155380 |
| CCCTACACCT | GCCACTTGAG | GCCCAGAGGA | GGTGATGGCT | CTCTAACTGT | TCCTAGTTCT | 155440 |
| GGGTGCTTCC | TGTTCTTGT | GGATTTCCCA | ACTCCTCACC | TTTGTAATA | CCCTCCTTTT | 155500 |
| TCAAACCTCTA | TTCAGTTAGC | TTTTATCAGC | CTGACTCACA | GAAGTTTGGG | GTTTCAATTC | 155560 |
| ATATTACCTG | AATGACCCAG | GAAAACCCAT | GTTGAGAAAT | TAAAATGTTT | ACGGGGTGGT | 155620 |
| AATACCACTT | AAGAGAAAAA | ATATCAATTG | GATTTTTTAA | ATTCCACCTA | TCTATTGGTG | 155680 |
| TGACACATCA | ACAAAAACAT | ATAGAAAGAT | TGGAAGCTAA | AAGATAGATA | ATATAGTCAT | 155740 |
| ATACTGTTAT | AGTATTATAT | CAAAAGATAT | TAAGTCAGAG | CATTATTAAG | AATGGAAGAA | 155800 |
| GGGCCAGGTG | TGGTGGCTCA | TGCCTGTAAT | CCCAGCACTT | TGGGAGGCCA | AGGCAGGCGG | 155860 |
| ATCACTTGAA | GCCAGGAGTT | CAAGACCAGC | CTGCCCAACA | TGGCAAAACC | CTGGCTCTAC | 155920 |
| CAAAAATACA | ACAATTAGCT | GGGCATTGTG | GCACATGCCT | GTAATCCCAG | CTACTTGGGA | 155980 |
| GGCTGAAGCA | CAAGAATCAC | TTGAACCGGG | GAGGCAGAGG | TTGCAGTGAG | CTGAGATTTT | 156040 |
| GCCACTACAC | TACAGCCTGG | GTGACAGAGA | GAGATTCTGT | CTCAAAAAAA | AAAAAAAAGA | 156100 |
| AAGAATGAAA | GGAGTCACCT | AAAAAAGATA | ACACAATTTT | AAACATAAAT | GTAATACATT | 156160 |
| ATTAGTGAAT | TCATGTTTAG | AATTGTGTTA | ATATACAAAG | CAAAAATTGT | AGAATTATAG | 156220 |
| GAGAAATGGA | CAAATCTACA | ATCATCATGG | GATGTTTTTA | CATTCTTCTT | TCCATAATTG | 156280 |

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| ATAGATCAGG | CAGACCAAAA | GAAAGAAATA | AGGGAAGATA | CGGAAGGTCT | GAACAATCTA | 156340 |
| AGAAGCGCAA | TCTCATAGTC | AATACATAAA | GCTCAGCAAT | TGTTTAATAA | TAGTAAGCAG | 156400 |
| AGAATATGCA | GTTTTCTCAG | GTATAGATGG | AACATGCACT | AACTGAGTAA | ATACTAGGCA | 156460 |
| GAAAACAGTC | TGAACAAGTT | TCAATAAATC | TGTATTACAC | AGATCATTTT | CTCTAGCCTC | 156520 |
| AATATAAGAT | TATAAACCAA | TAATAAAAAG | ATGACTAAAA | AGATTCTAAA | TATTAGGAAA | 156580 |
| TGTAAACTAC | TAATAAGTCA | TTAGAAGATG | TATAGAATGG | AACAATAATA | AAATGTTATT | 156640 |
| TATAAAAATA | TACAATGAAG | CTAAAGCAGA | ATTTTAAGGA | AAATTTGTAG | GCTTTAAATG | 156700 |
| CTTATCTTAG | AAAAATTAAA | AAGCTGAACA | TTAATGAGCC | AAGCATCTAA | TTTAAATTTT | 156760 |
| AAAAAGAACA | TAGAAAGCCA | AATATAATTT | TTTAAAAAGA | AAAAATAGAT | ATTAAACAAT | 156820 |
| ATAACAGTGA | AGTTAAAGAA | AACAAGAATG | CAATAAAGAG | GAAAAACAAA | CAAAAAAAAA | 156880 |
| AGTAGCTTCT | TTTAAAGAA | ATTTAATAAA | ATAGACATAC | CTCCAATGAG | ATTTATCAAA | 156940 |
| GTAAGACAGA | AGGCACAAAT | GGAATGAATA | CAGAACTTT | TTAAATATTA | CAGAACTTTA | 157000 |
| TAATAAATCT | TATGCTACTA | ATAAAATTGA | AAGTACTGAT | AAAATTATTA | CTTCCTAGAA | 157060 |
| AAAATATTTT | TGAGTAAAC | TCACTCAAAA | AACAAATAAA | GCATGGGCAG | ACCTAACATT | 157120 |
| AAAGAAATGA | AATCACTACT | TTAAATTTTA | CCGACAGATA | ATAAAACGTG | CATCTTTATC | 157180 |
| AAGCAAAAAT | GGAAC TTGTC | AGTTTTATAG | GAAATTTAGA | AGTCAAGGCA | TGAGTAATGC | 157240 |
| CAATCTCATA | CCAAATCCTA | CAAAGAATAG | AAAATTATGG | CTCCCGCTTA | TAGACATAGA | 157300 |
| TATAGAACTC | CTGCACAAAA | TAATATAAAT | AACAAACCAA | ATTTTATATT | TGCAACTATA | 157360 |
| CATATTATAT | GTGTATGTAT | TATATATGTT | AACATATACA | TATATAATAT | GTATAGCATA | 157420 |
| TGTTCTACAT | ATTATATATG | TATAGTGTAT | GTATTTTACA | ATATATAAAT | GAAAACCCAA | 157480 |
| TCTTTAATAT | ATTCATCTAG | ATTGTCATAT | ATGACATATA | TAATACATTA | CATCAAAAAT | 157540 |
| GTGTACAATA | ATCAGGCCAG | GCACAGTGAC | TCATGCCTGT | AATCCCAGCA | CGTTGGGAGG | 157600 |
| CTGAGGCGGG | TCAATCACTT | GAGTCCAAGA | GTTTGAGACC | AGCCTGGTCA | ATATGGCCAA | 157660 |
| ATTCCATCTC | TACAAAAAAT | ATGAAAAATT | ATCCAGGCAT | TGTGGTGCAC | ACCAATAGTC | 157720 |
| CCAGCTACTC | GGGAAGCTGA | GGTGAGAGGA | TCACTTAAGC | CTGGGAGGTG | GAGATTGCAG | 157780 |
| TGAGTCGAGA | TTGCGCCAGT | GCACTCCAGC | CTGGGTGGCA | AAGGGAGACC | CTGTCTCAAA | 157840 |
| AAAAAATTAA | AAAATTAGCC | AGGTATGGTG | GCCTGTTCTT | GTAGTCCCAG | CAACTGGGGA | 157900 |

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| GGCTGAGGTG | AGAAGATCAC | TTTAGCTCAG | GTGGTGGAGC | CATGATCGCA | CCACTGTACC | 157960 |
| ACTCGGCTTG | GGCAACAGAG | TGAGAGCCTG | TCTCGAAAAA | ACAAATATAT | ACACACAGTA | 158020 |
| ATCAATATAT | ATATTATATG | TACCAATCAA | TGCTTCACTT | TTATATATAA | TATAGATTAC | 158080 |
| ATCTTATTAG | ATATATAGTA | TTCCTTCTCC | ATAGATAGAT | AGATACAGAT | ATAGACATAG | 158140 |
| TATCCTCTAT | CCATATTAGA | GAGAGGATAC | TATATATATC | TATAGCATAT | AGAGATGCTG | 158200 |
| TCTCAAAAAA | ATTTAAACAT | CAGCCAGATG | TGGTGGCCCA | TGCCTGTAGT | CCCAGCTACT | 158260 |
| GGGGAGGCTG | AAATGAGAGG | ATTGCCATTG | ATCCTCTCAT | TGGTTGAGCC | ATAATCGCAC | 158320 |
| TACTGCACCA | CTCAGCCTGG | GAGACAGAGG | GAGACCTGAG | GTGGAAGGAT | ATAGATATAG | 158380 |
| ATATATAAAT | AAATATGTAT | AGAGAGAATA | TAATATATGT | GTGTATGTGT | ATATATATAT | 158440 |
| ATTATGAAGA | CACTGGGAGA | GAATACTATA | TATATATGTG | TGTGTGTATA | TATATATTAT | 158500 |
| GAAGACACTG | GTGGGATGGT | TTCATTACCA | ATTGGACCAA | GAGTCCAGGT | ATGGAGCCAA | 158560 |
| CATGCAATGT | TGTTGTTGAC | TGAGCTGGCA | GAGCACTGGT | CATAGTTACG | GGAAAAGAAG | 158620 |
| GTCTCCAATG | AGACATACTT | AACAAAATAT | ATGAACTTGC | CATATACGTG | GAGAGTTCTG | 158680 |
| GTGTGTATAT | AGCCTTCTCT | CACCAACCTA | GCAATTGTCT | TCATCATCAT | TATAATGCTA | 158740 |
| TCAGAGCAAA | GATGACAGCT | AAATTTTTTT | GTCCCTTTCT | TCTTCTTTCT | CTTCCTTCCC | 158800 |
| CTCCCCCACC | TCTTTCTCTT | CCTCCTCCTC | CTTCATCTCT | CTTCTTTTTT | TTTTTGAGAT | 158860 |
| GGAGTCTTAC | TCTGTCGCTC | AAGCTGGAGT | GCAGTGGCAC | AATCTCAGCT | CACTGCAACC | 158920 |
| TCTGCCTTCT | GGGTTCAAGC | AATTCTGCCT | AAGCCTCCAG | AGTAGCTAGG | ACTGCAAGTG | 158980 |
| CACACCACCA | CACCTGGCTA | ATTTTTGTAT | TTTTAGTAGA | GATAGGGTTT | CACAATGCTG | 159040 |
| GCCAGGCTGG | TCTCAAACTC | CTGCCCTCAA | GTGATCCTCC | TGCCTCGGCC | TCCCAATGTG | 159100 |
| CTGGGATTAC | AGGCGTAAGC | CACTGTACCC | GGCCTCCTCC | TTTAATAGAC | AGGGTCTAGC | 159160 |
| TCTGTTGCCC | AGGCTGGGTA | CAGTGGCGTG | ATCATAGCTT | ACTGCAGCCT | CGAACTCCTG | 159220 |
| GGCTCAGGAG | ATCCTCCTGC | CCTAGTCTCC | CCAGTAGCTG | GAACACAGG | CATAGCACAC | 159280 |
| GGGGCTAATA | AAATTAATTA | GGTGATAAAA | TTCACTGCCC | ACTGATGACT | AAGCTCTTTG | 159340 |
| GACATAAAAG | ACACAGACCT | TGAAGGAAAA | TGTGTCTACT | TAATTTTGAA | ACCCTATTTA | 159400 |
| TCAAAAAACA | GGATGAAAAT | GCAAAATGCC | ATCCACATGC | CAGAAGATAT | CAGCTATAAT | 159460 |
| AAGTTCCCAT | AAATCAATAA | GGAAAAGAAC | CCAATAAAAA | TTATTAAACC | ACAGTAAATC | 159520 |

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| ATGGGTAAAT | CACAGAGGCC | TGAAGGGCTA | ATGGACATAC | AAAAAGAATC | TCAATCTCAC | 159580 |
| TAGTGAAATC | AGAAAAGCAC | AAATTAAGTA | CACAATTAGG | TACCATTTTA | AATCTGTAAG | 159640 |
| ACTGTCAAAA | TCATAAATTA | TATAAGTAAA | GACTCAGGGA | GTTTTGGAGG | AGTGAGAGCT | 159700 |
| CTTATATTGC | TTGTGGGGTA | GAATTGGAAC | AATTTCAAGA | TCTGTAGTAT | CTGGTAAAAT | 159760 |
| TATGATATGC | ATCCCTCACA | CCAGCATGTC | ACTCCAAGGT | ATCTCCCTGG | AGGGAACATT | 159820 |
| TACGGGACAC | AAGGAAGCAT | GGATAAGAAT | GTTACAGTA | GTATTGTCTG | CAACAGCAAC | 159880 |
| AACAACAAAA | AAACCCAAC | ACACACAAC | TCAATGCCCA | GTCCACAAGG | CAATGGATTA | 159940 |
| AATAAACTTC | AGGCCGGAGA | TGGTGGTTCA | TGCCTGTAAT | CCCAACACTT | TAGAAGGCCG | 160000 |
| AGGCGAGAGG | ACTGCTTGAG | CCCAGGAGTT | CAAGACCAGC | CTGAACAAAA | TAAAGAGATA | 160060 |
| GTGTTTCTAC | AAAAAATTTT | TAAAAAATTA | GCCAGACGTG | GCAGTGCTTG | CCTGTGGTCC | 160120 |
| CAGCTACTGG | GGAAGCTGAC | GTGGGAGGAT | TGCTTAAGCC | CAGGAATTTA | AGGCTGCAGG | 160180 |
| GAGCCATGAT | GGGGCCATTG | CACTCCAGCC | TGGGTGACAG | AGTGAGACCC | TGTCTAAAAG | 160240 |
| AGATAAGTAA | ATAACAACCT | TGCATTTTCT | GCCACATTGC | AAAATGGTGA | GAGAGTGGTT | 160300 |
| TCTAGACTCT | AGACTCTTTC | TATGACTACC | TTCTAGTTAT | GAGATCCTAC | AACACTCACC | 160360 |
| TAACCTCTCT | GTGTCATATT | TCCTCCTCTA | TAAAGCAAAA | ATGCCCCATA | TAGAGAGGAC | 160420 |
| TGTGATATAA | AACAAGAACC | AAGAAAAGTA | AAGCTTTTCT | AATCTGTCAC | AGACTAAAGA | 160480 |
| GTGCTCAGTA | TATGTGAGTC | ATTATTCTCTG | GTGCTGGTAG | GAGTGTATGT | TACAACCTTG | 160540 |
| AGTCAAGTAA | TATGGTACCA | TATATTAAGA | TTAACAACAA | CCTCGGCAAT | CCCAGTTTGG | 160600 |
| GGTATGTTCC | CAAAAGAAAT | GAAAGCACCA | GGATATAAGG | ATGCATGGAC | TAGAAAGTTA | 160660 |
| TTGTAGCAAC | ATTGTAATAA | CTAAGTTCTA | AAAACAGCCT | GAAGCTCCAT | CAGTAGGGAT | 160720 |
| ATGGTTACAT | ATATTTATTA | TATTCTTATG | GAATATTAGA | CATAAAAAGT | AACGAGTAAC | 160780 |
| ATAGAAGAGA | CAGTGTATAT | ATGTTACGTT | TGTACAAACT | TAGGGAAAGA | TATAGATCAC | 160840 |
| CCTACCTAGA | GAAGTCAGAT | TGGAGAGGGG | TGGGAAAAAC | CTTGAACCTT | CTCCTTATAT | 160900 |
| CCTTTATATT | GTTTGACTGA | TTAAAAATGTA | TTTGTTGCAT | CTGCTTGAAG | GCAATGTAAA | 160960 |
| ATAAAATAAA | CATACATTTA | AAAATAAAAA | TAAATTTTAT | TCCTATCACT | TTTGTAATAA | 161020 |
| AGCTGGGCAC | AGTGACTAAC | ACTTGTAATC | CTAGCACTTT | GGGAGGCAGA | GACAGGCAGA | 161080 |
| TCACCTGAGG | TCAGGGGTTT | GAGACCAGCC | TGGCCAACAT | TGTGAAACCC | CATCTCTACT | 161140 |

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| AAAAATACAA | AAATCAGCCA | GGCATAGTGG | TGCGTACCTG | TAATCCCACG | CTACCCGGGA | 161200 |
| GGCTGAGGCG | CTGGAACCCA | GGAGGCAGAG | GCTGCAGTGA | GCTGAGATTG | CGGCACTGCA | 161260 |
| AGCCAGCCTG | GGTAACAGCG | AGACTCCATC | TCAAAAAAAAA | ATTTGAAAAA | AGAAAAATTT | 161320 |
| TAATAAACAG | TGTTTAAGAG | GGGAGAAATA | TTTAGTTAAA | AGATAAGCCC | ATTTAAGAAA | 161380 |
| TAGTTTCACT | TGACCCGGAA | GGCGGAGCTT | GCAGTGAGCC | GAGATCGCAC | CACTGCACTC | 161440 |
| CAGCCTGGGC | GACAGAGCGA | GACTCTGTCT | CAAAAAAAAAA | AAAAAAGAAA | GAAAGAAAGA | 161500 |
| AAGAAATAGT | TTCAC TTGAA | CCATATTATG | ATTCCTTCTG | TAAAAGATGA | GAGTAGGCAA | 161560 |
| ATTGACTCAG | TGAAATCCCA | GCAAAACTTA | CACAAAGTCT | TGTTCTTCCT | TCCTGTCATC | 161620 |
| TGTATAGGAT | GAAATACAGA | GTGCTTTTGG | GTTTTGTTGT | TGTTTGTTGT | TGTGTATTTG | 161680 |
| AGGGGAACAC | AGGTCTATAA | TTCTTTTCT | GAAATCCCTG | GAACAAAATG | GGCTTTGCCA | 161740 |
| TTCAAATTAG | TTTAGAAGTT | ATAAAGGCAA | AAAAATGCAT | ATACTCTAAA | GTTCAACCCC | 161800 |
| ATCATGGCCT | AAGGCAGAGC | CCTGTAATCA | AATTCATCAA | TATATCTGCA | GCAAAACATT | 161860 |
| TATTCAAATT | AAGTGGGATA | AATAAAGACT | TTTAAATAGT | CTCATCTCAG | TGCCG TTCAG | 161920 |
| GGTTGGCCAC | TGTGGAAGAC | AGACTCAAGG | GTGGCCTTCT | ATGATTCCTG | CCTCTTGGTG | 161980 |
| TTCACACCCT | CGTAAAATTC | CTTGTCTTTG | AGTGTGAGCA | GGGCTTATGA | ATTGCTTCTG | 162040 |
| ACCAATAGGA | TATGGCAAAG | ATGATGGGAT | ATAATTTCTA | TGATTACGTT | TCATTATGTA | 162100 |
| AGACTCCATC | TTGCTGGCAG | ATTTTCTCTA | AAGAGTCTGT | CTCCTGAGCT | CTCTCTGAAG | 162160 |
| AAATAACTGG | CCATGTTAGA | AGCCCATGTG | CAAAGAGCTG | AGGGGTGGCC | TGTAGAAGCT | 162220 |
| GTGGGCAACC | TCCAGCCAAC | AGCCAGAAAT | AACCAGGGCC | AAAGTCCTGC | AACCATCAGG | 162280 |
| AAAGAAATTC | TGCCTGCTAT | CTCAGTGAGC | TTGGAAGTGG | ATTCTTCCTT | AGCCTAGCCT | 162340 |
| CCAGATAAGA | ACACAGCCTG | ACCAACACCT | TAAGTGCAGC | CTTATCAGAC | CCTAAGCAGC | 162400 |
| AGGCCCAACT | AAGCTGTGCC | CAGATTCCTG | AACCACAAAA | ATTGAGATAA | CATATCAGTG | 162360 |
| TTGTATTAAG | GTTCTAAATT | ATGGTAATTT | GTTTGTACTA | ATAGATAACT | AATATAACCA | 162420 |
| CCAAATCATT | TCAGGTTAGG | CCAGATTTTT | G TAGCCAAAT | GAATCATGAT | AAAAC TTTCC | 162480 |
| ATTTTCAGGG | GTTTTTTTGA | TTTTGTACTT | ACGGATACAA | ATTTGTGAAA | GTATAGTCAG | 162540 |
| CACTGATTTA | AAAAATCAAG | GGAGCAGGAA | ACTCAGTAAA | TGGTTCTAAC | ATTTTGG AAT | 162600 |
| CTGTAAATTG | GTTGTAACAT | TTGTCATCTG | TGTTATCTAA | GTCAAGTTCC | TAAAATATGT | 162660 |

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| GAATGATAGG | TTATCATACT | CACCTACTTT | TCTTGCAATTG | CTCTAAGAGT | TGGCTGAGCT | 162720 |
| ATTGATAATA | AACACTATGA | TCAGATCTAA | TACCATGATG | TGCTATTATG | ATCATGTGTC | 162780 |
| AGTCACAGGG | CTAAGCACTT | TGTACATGTT | GATGCATTTA | ATTTTGATGA | TAACTCAATG | 162840 |
| AAGTAGGAGC | TGTTAATATT | TTCATTTTTTC | AGAGGGGGAA | ACCAAGTCAC | TTGGAGTAAC | 162900 |
| ATGGCTAATA | AGTGAAAGAA | TAAGAATTTG | AAAGGTTTGC | ACAGATAACC | AGAATGCAAT | 162960 |
| GCTCATCACA | TTCACTGAGC | AGTGAATCAT | ACTAACTAGA | GAAAGTATGA | AAGCTCTACT | 163020 |
| GAAATTAACT | AAACAACCTC | TCTGGCTGTG | AGCCTGCCAA | GGGACAGGTG | GTAAACTTGG | 163080 |
| TTACTGCATA | AGGCCCCCTC | TATCCACAGT | ATTCAGGAAT | TCTTTAGTGA | ACATACCTTG | 163140 |
| ATGACTCCTT | AACATTTTCT | TCACATCGAA | GTAAAGCTTG | GAAACATTGC | ACATAGTATG | 163200 |
| AAGTTCCAAG | GAGACAGCCT | CTGATGTTTC | CAGCTTCACA | GCCCAACTCC | TAGAATAAGC | 163260 |
| AGAGGCGAGA | GATTTCTTCA | GAGGTGCATT | CCATTCATTT | CTATATACGC | ACACCCCTCC | 163320 |
| CCTCCTGCAT | TCAAACAGGA | CTTACCTGCT | CAAAGTGTC | TTCACATTCT | ATAAAGAAAC | 163380 |
| AAAAAGAAAA | GGTGAGCATG | GGAACATCGG | TATTTTCATGG | GGCTTGTCAT | GCAGGGCTAT | 163440 |
| TCTTCTTTGC | TTTACCCGAA | GAAGTAAAGA | GAGTTACCCT | AGTCTTAGTC | TTAGATATTG | 163500 |
| ATGGATACTC | AAACAAAGTA | ATTCCCACCA | GTCTTAGGTA | TTGATGGATA | CCCAGATGGA | 163560 |
| ATAATTCCTA | CCAGCTTCTG | GGAGATTCAG | CATGGCAGGA | TGTTTATCAA | CATTTGCATC | 163620 |
| TATTCTCATC | CTTGCTGAAG | TCTGAGGGCC | AGGAGCTTTG | TCCATGCTCC | CTCTGTAAGG | 163680 |
| ACTAGCTTTT | GGTGATCGGA | TTTCCTTCAC | AGTGAGCCCA | GATTAGAGAA | CACTTATCAT | 163740 |
| AAAGGTCCCT | AGTGGTGAAT | CTGTGCACAG | CCCTGAGACT | GGGCCACTGC | CACTAAGATG | 163800 |
| GTGGTAGCAG | GTATCACACA | GTGGTAAAGC | AATCATGCTA | TACACTCAGC | CTTACAGTAT | 163860 |
| AGTCACCAAT | CCTGTTAGTT | AGAACCAGAA | TTAATGGCTC | CAGATGTTTA | TCTTCCTACA | 163920 |
| GATAAAGCTG | TAGATTGTAC | CATAACAGCT | CTGGAGCAAG | GGTTCTACAA | GCAAATCAGG | 163980 |
| GAAAAGGTTA | TCACTCATTT | TGGCTGCCCC | ACTTCATCAC | CCATCAGTCA | CCTAGTGGAG | 164040 |
| TATTTTCAGGA | GAGAGTCAAC | AACCAGGGTT | CTCTGCACAT | GGGCCAAGGA | GGCAAACAGT | 164100 |
| GGTAAATGTT | ATCCCGTGGT | TTCATTTGGC | CAAGCTGTGT | TCCCTCAGAA | GTTTATTTTT | 164160 |
| CTAATTGACA | TAAAGGTACC | CTATAAATTA | GTGAAGGCCA | GCCTGATGGC | ACTGATGTAC | 164220 |
| ATCTAAAAGA | AACATTACTT | TATCTTCCCA | TGCTTCCTTA | CCATTCTCCT | TTAATAGCAC | 164280 |

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| TATAACATAC | CTTTTTTCCC | TACTCCAAGT | ACACAGCCTC | ACCTGCAGCA | ATTTCTGGGC | 164340 |
| TGAGCCCTGA | CATTTTTTCT | CCAGTTCCAG | GATGTGGCTC | TTGAGTTCAT | TGCTCTTCAG | 164400 |
| CCCCAGACCA | GCCTCATAGT | CCCTCAGTCT | ACTCAGAGTC | TGTTGTTCTT | CTTTCTCCAG | 164460 |
| CCTCCAGAGA | TAAGACTTCT | CTTCCTCATG | TAGGAAACAC | TGGAGATTCT | TAAAGTCAGA | 164520 |
| CCGGATTTTT | TGTCTCTGAA | TCTGTACCTT | CTCCTGGAGT | CAAGAAAGTA | TGGTCAAAAG | 164580 |
| GTGGAAGTAA | ACCAAATGTC | CATCTATGGA | TGAATGGATA | AACAAGAATG | AAAGTCTGAC | 164640 |
| ACACGCTACT | ACATGACAAG | CCTTGAAGAC | ATTCAAGCAA | AATAAGCCAG | AAACAAAAGG | 164700 |
| GCAAATATTG | TAAGACTTTG | CTTATACAAG | GCATCTGGAG | TAGTTAAGTT | CATAGAGACA | 164760 |
| GAAAGTAAAA | TAGTGTTTAC | AAGGTGTTGG | CAAGACCAGA | AAATGGACAG | TTATTGTTTA | 164820 |
| ATGGGTAGTG | AGTTTCAGTT | TAGAAGATGA | AAGATGAAAC | TGAGTTGCAG | TTTGGAGATG | 164880 |
| GGAATGGTGA | TGGTTGCACA | ACAATGTAAC | AATGTAAAAG | CACTTAATTC | TACTGAACTA | 164940 |
| TATACTTAAA | AGTGGTTAAA | TGCTTAAGTG | TTATATATAT | TTTCACACAA | ACACACACAC | 165000 |
| ACACACAATC | AGCCACTGGG | ACATTATTTT | CTCATGAGTC | ACTGAAGCTG | GAAGAATGTC | 165060 |
| CCCAGTTTCC | TGCTGCAGAG | TCATGTGTGG | GAGGCAGGCA | CTCAGATGTG | GAAGAGGTTG | 165120 |
| CCTCAGATTC | CTTATAGTCA | CCCAATTAAT | TTTCTTGTTT | TTCAGCCAAG | ACACAGGAGA | 165180 |
| AAGCTGGGTT | AGGAGTGCTA | GATAATTTAA | TTGTGAAACT | AGGGCCAAGT | TCAAACACTT | 165240 |
| TATCAGTTAC | AAGGATAAAA | AGAGGTTTTT | ACTTATGATT | TAAGAAGTTA | GATTTCTGAG | 165300 |
| TTGGAGCGAT | TTTCTTGAAG | TAAAAGCTTA | TAATGAACAT | CACCCAGACT | GGATTTTAAG | 165360 |
| ACAACCAGGC | TGGTAAGAGG | GTCCATAATT | CTTGGCAGGG | GGAGCTTTGA | GTGTGACAGG | 165420 |
| CATTTATTAT | GGTAACTGA | GAAATACTGT | TCTACTACCC | TAGGGTCATC | TTAAGCATTC | 165480 |
| CTATGTGTAA | GACTGACAGA | AATCAAGTGA | AACTCTCATC | TGAGGAGATG | TAAAGTTGCA | 165540 |
| ATTTCCATTA | GTGCTGTCTA | AATTAATGCA | GTGGGAGTGT | GTATTCAGGG | CAATTTGAAT | 165600 |
| CTATGTTCTT | GGATTGCAGT | CTTCAAACCT | GGCCCAAATA | AACTCTCTAC | TTATCTTAAA | 165660 |
| AAAATAAAAA | TTAAAAAATA | AAAATAAATT | CATACAGTGT | TTTGATGACT | ATGATATAGA | 165720 |
| AGAAGGGTCT | TTGACTTAGG | ATGAGGTGGA | ATTTTTGTGT | AGGAGACAGG | TGCAGCTTTA | 165780 |
| ACTCTTGAT | AGACGGGTTT | TCATATATGT | TAGTTACAAT | CAAGGTCTTC | CCCATTGCCC | 165840 |
| AAGATCCTAG | AAATGGGGGA | AGTAAGAGTG | TACTCAGGAG | CTCAAGAGCA | ACATCCACAA | 165900 |

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| ACAAAGATCA | GGGTAGAGGT | TAGAGAGGAC | TCCTGAAAGA | GAGAAAATTG | GTAATCAGCT | 165960 |
| TGTGGGATTT | TACTGCAAGC | TAGTGAATTA | TATAAATATA | AAGATTGGTG | CAAAAGTAAT | 166020 |
| TGTGGTTTTT | GCCTTTACTT | TAATGGCAAA | GACCGCAATT | ACTTTTGCAC | AAACCTAAAT | 166080 |
| ATTTCCATAA | AAGAATGTGG | CTCTGATAAT | GTGGAGGTTA | GTCAGCCACG | GAAATAATCT | 166140 |
| GAAAGTTTGT | AGTTGCAAGT | GTGTAGGTTG | TTGCATTACT | TGTGATGTAC | TTATAAATCA | 166200 |
| AGTATAGGCC | GGGTGCAGTG | GCTCACGCCT | GTAATCCCAG | CACTTTGGGA | GGCTGAGGTG | 166260 |
| GGTGAATCAC | GAGGTCAGGA | GATCAAGACC | ATCCTGGCCA | ACATGGTGAA | ACCCCGTCTC | 166320 |
| TACTAAAATA | CAAAAAATTA | GCCAGGCATG | GTAGCACATG | CCTGTAATCC | CAGCTACTCA | 166380 |
| AGAGGCTGAG | GCAGGGGAAT | TGCTTGAACC | CGGGAGGTGG | ACATTGCAGT | GAGCTGAGAT | 166440 |
| CGCACCACTA | CACTCCAGCA | AGACTCCATC | TCAAAAAATA | GTAATAATTT | AAAAATAAAT | 166500 |
| AAATAAATAA | AGTATATTTT | TTTCATCAGC | TTCATGAGCT | TGAGTAGTAT | GAATTTCAAT | 166560 |
| CTGGAGTGAT | CCTGTTTTCT | AAGTGTTTAC | AAAGCTTGGT | TTCTGTACCT | GTAAAGTTGA | 166620 |
| GAGCCAGATG | CTCCACTGTG | GTAAAAGTGC | CAGGGTAATG | AGTTGAGGCC | TGCAAACCAG | 166680 |
| GTTTATTTTG | AGGTATTTAA | AGTTTGAGAC | CCACTCGATG | CTTTTTCTAG | GTAAATAGTC | 166740 |
| ATACTAATTC | TGCTTCTTCT | GACTGAAGTA | TCAGGAATCC | CAGCCAACTA | CAGTTTAAAG | 166800 |
| ATGGAAAGAT | TGGTGCTAAA | TACTCATGGA | TGTAAACCTG | GAACCAGGGG | CATAAGTACA | 166860 |
| AATAATGGTT | TCTTCCTTGG | GTTTCATTTT | TTCAATCTGG | TTTAGTGAGA | ATAAATCCTC | 166920 |
| ATTGTGCTTT | TCCTCAATCA | TCCCCTATGC | CTAAGCTCTA | GAATGGAAAA | TAGCTTGAGA | 166980 |
| TCAATGAAGT | CAGATTCTTA | CTTTCCATTT | AGTTATTCGC | ATTGCTGTGG | ACAGCTTCTG | 167040 |
| CTCCGTACAT | CTGTCTTCAA | GTTGCTTCAG | TTTTGTCACA | GCTTTCTGGA | GCTTTTCCTG | 167100 |
| AAGGAAAAAT | TTGATAAGTG | AAGCCTATTC | AATTTGACTC | TTCATTAGGG | ACCTAGGGGG | 167160 |
| AATCCCAATC | TTCTAAGATA | TATTTGAATA | ATAGTGAATA | TTTATAGAGT | CCTCATTGTT | 167220 |
| TTTTGCTAGA | GAGCATGCTA | AAGGCTATAT | GTGCAGGAAC | ATACTGATCC | CCTTGGCAAC | 167280 |
| CCTGAATAGT | TGGTAGGATT | TTAAACTTCA | TTTCTGTGCT | GTAGAAAATG | AGACTAAGAA | 167340 |
| AGGGGTAAAA | TAACTTGCCC | AAAGGGCTAT | GACTGCCAGG | TGGTGGAGCA | ACAATTGCAA | 167400 |
| TCTCATCTGC | TGACCCAGAG | CCTGAGCTAT | GTCCACCACT | AGAGTCCTGC | CAGGAAAAAG | 167460 |
| TTGGATATAG | AACAAGGTAA | TCATCATCTA | AAAGATTTTG | TAAAACAACA | TGCTGAACCA | 167520 |

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| AGCAAAACCA | ATACCAGTGT | TTGGCACACA | TGAAATTTTG | TGTCTTATGA | GTCAGGAAAA | 167580 |
| ATCAGGATGC | CAGCTGGTTA | TTAGAAACAG | TTCATGGAAG | AGGGGAATTC | TGGTATCTTT | 167640 |
| TGAACAATGG | TATCATGAAT | CCAATTTAAA | ATGATTTAGT | ATTCATGTCA | AGCTTTTAGC | 167700 |
| TTATTCTTCA | AAACAGTTTC | TCATATTTCT | ATTGAAAGTG | ATTTGAAGCT | GACCCAAATT | 167760 |
| GCTAATTGTA | GTCAATGCTG | AAAGAATTGT | CTCCTGTCCT | CTGTAAACCC | AACAAGTATA | 167820 |
| CTCATTCAAT | CTCGAGTGTT | CTCAGGAAAA | GGTTCTATGT | AACTGTTTTA | GCAAAAGATG | 167880 |
| ACATTGTCCT | TACTATATGC | CAAGTGCTAT | TCTATGCATT | CTATATTTTA | ATGTCCTCAA | 167940 |
| AGCTTATAAC | CACCTCCTGT | GSTATGTGTTT | TAGGGAGGGA | GGACACTGCT | ATTATCCCCA | 168000 |
| TTTACAGATG | GAGAAACCAA | GGTGTGAAGA | CATTAAGTAA | CGTGCCCAAA | ATTGCCCATC | 168060 |
| TAGTAAGTGA | CAAAACTCAA | TTTCAACATA | AGCTGGTTCC | TTTTCTTACT | ACTTGGTGGA | 168120 |
| AAAGTAATTC | AAATGGGAAT | ATGATCATCG | CAGTTATTAG | CTGCTCCATG | GAGTTTAAGG | 168180 |
| AAGAGCTGCC | ATGAGCTGAG | TGGTGGTCAT | GATTGACATG | TCCTTAGAAG | GACTIONAGC | 168240 |
| CTTCATACAA | GACCACCTCT | GCCTCATGGA | GGACAGAATA | AGGAGCCTGA | CACTGGAGAC | 168300 |
| AACATTTTCC | TCAAATTTAG | GCAGGACAGA | GAAGGAAAAA | GGACATCAGG | ACTATGCCCA | 168360 |
| TTCTCCATG | CTGCCAACAG | CAAAGTCCCA | CCTTCCTTAA | TATGCTTTCT | GGCAAGAAAT | 168420 |
| CTGGATGGTA | CACAAAACCT | CTCCCTCTGC | TTCACCTTCC | ACAACCAAGC | ATTTCCAAAT | 168480 |
| CTTTGACTCT | TCTTCCTGAA | TCGTGCTTAA | AATCTGCCCT | CTCCTCCCTT | TCTTATACGG | 168540 |
| ATAGTTTGAA | TTTTACTCCT | TGATATTCCT | TTTATCATAG | ACATGCCACA | GTAGCTGGGC | 168600 |
| ACAGTGGTTC | ATGCCTCTAA | TCCCAGCATT | TTGGGAGGCT | GAGATGGGAG | GGAGACCAGG | 168660 |
| GGTTTGAGGC | CAGTATAAGC | AAGAAAGGCA | GACCATGTCT | CTACAAAAAA | TAAAAAAATT | 168720 |
| ATCCAGGTAT | GGTGGGGCAT | CCCTGTAGTC | CTAGCTACTT | GGGAGGCTGA | GGTGGGAGGA | 168780 |
| TTGCTTGAGC | CCCAGAAGGT | TGAGGCTGCA | GTGAGCCGAG | ATTGCACCAT | TGTACTCCAA | 168840 |
| CCTGGGATAC | AGAGCAAGAC | CCTACCTCAG | AAAAAAAAAA | AAAAAAAAAA | AAAGTAGAGG | 168900 |
| TACCAGAGTG | ATATTTTCAA | TGTCACCTGAC | CCTTCATTCC | CCAAATGAAA | ATCCCCCAAT | 168960 |
| AGGTGTTCAA | TTTTTACGTG | TCCTTCAGGA | GTTACTTCTA | AGATGAACCA | CTCTCTACCC | 169020 |
| TAAATGTCCC | TCCCCACCAC | CAAAACCAGG | GACCTCCAGG | CAGACATTTT | TGATGGTTTG | 169080 |
| TTTTCTTTAC | TAGACTGTAG | ATACCTAAAA | GGTGATGGGT | CTTTCTTCCC | TGTTTTTCAGG | 169140 |

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| CCCTACTGCA | TGGCTTTACA | TATTGTGGTT | TTTCAAATGA | TATTCATGGT | GTGAAACAAG | 169200 |
| AAAAAATGCG | GGTGTTTGGT | TTGAGAACAA | CCTGTTCTAA | AGCAAAAAGA | AATTCATCAT | 169260 |
| AACACAAATG | GATAGAGATA | AGAGTCCAAC | CATCCCATTG | AAGGTCAGGA | TGGACAGTCT | 169320 |
| AGATAATTGA | GCAAGAAATC | ATCATAAACT | ATTTTTCAGA | AGAATGACAT | GATGAAAGCT | 169380 |
| GTTTTTCCAA | GTCATAATGT | TAGGTTTCAA | GTTAAATCAT | CTCAGCTCCT | GGGGAGCAGG | 169440 |
| ATAAGACTTG | GTACTTACCA | AAGCTCCCCG | GCCACACAC | TCACCTTGTA | GCCCTGGCAT | 169500 |
| ACGTCTTCAA | CAAGAGCTGT | GGTGTGCCCT | TTGTGCTGTG | GTGCCCCTC | ACAGCGCCAG | 169560 |
| CAGATGAGCT | GCCCCTCATC | TTGCGAGAAC | AGGTGGAAC | GCTCTCCGTG | TTCCTCACAT | 169620 |
| GACATTTCTT | GATCCGTCTC | TTTGAGGGCT | TCAATGAGGC | TTCCCAGCTG | CTTGTTGGGT | 169680 |
| CGGAGGCTAT | CCATATGAAA | TGGAGCCCGA | CACTGGGGAC | AGCAGAATGT | CTCCTGCCTC | 169740 |
| AGTTGCTTTT | GGCTTGGGTT | TTTAAAGAAG | TCTGTTATAC | ACAAGTGGCA | GTAGCTGTGT | 169800 |
| CCACAGTTGA | TGCTTACTGG | GTTGTCATC | AGGCTCAGGC | AGATGGAGCA | GGTGGCTTCC | 169860 |
| TCCATCATCT | TCTTGGTGCT | GGTGGTTGAG | GCCATAGCTT | TTATTGAAAA | GCTCCAATAT | 169920 |
| TGGCTCTAGA | GATGGAGATG | AAGCAGCCAG | AATTTTCCAC | CGTGATGAAA | ATACACCTCA | 169980 |
| CCTGCACCTC | TATGTGATGA | GCTGGCTGCA | ACTGACTTCC | ATAGGTCTTG | AAGGTTTTTCC | 170040 |
| TTCCAACCCC | TATTATCTCA | TTTTGTATTG | AAGAAAAGAG | GACCTAAAAG | GAAGAAGTTG | 170100 |
| AGGCTGAGGT | TGTTTGGGCC | ACGTTTGAGA | ACTGCAACCC | AAGTGCAGAG | TTTCAAGTTG | 170160 |
| CCCTCATTAG | CAAGCAGTTA | CAAGTGGTTG | TTTAGAGGAA | AAAAAGCAGT | TTTAAAGCAG | 170220 |
| TTTTTAAAGTT | GTTTGCCAAG | AATTTACATT | AAAATAGCAT | AAGCTTTTGA | CTGGCTATAC | 170280 |
| ATTGTTCTTT | GTATTACAAA | TCTCGGGAAT | ATGTAGGTAA | TAGATGAGGC | AGCCAGTCAG | 170340 |
| GAACAAAATG | CTTTTAAACA | TGGGGTCTTA | ACTGAAGACC | TATACTCCTG | CCTCACTTGT | 170400 |
| CCTGATAAAT | TTTGCATACC | TCACATAGCT | CAGACTGCTC | TAAATTATTT | CATTATTTTT | 170460 |
| CTTTTCTCAG | TCTTCTAACT | TTTTTTTTTT | TTTTTAATGA | GACGGAGTCT | CACTCTGTCA | 170520 |
| CCCAGGCTGG | AGTGCAGTGA | CGCTATCTCG | GCTCACTGCA | CCTCCGCCTC | CCGGGTTCAG | 170580 |
| GCGATTCTCC | TGCCTCAGCC | TCCCAGAGTAG | TAGCTGGGTC | TACAGGTGTG | CACCACTACG | 170640 |
| CCCAGCTAAT | TTTTGTATTT | TTAGTAGAGA | TGGGGTTTCA | CCATGTTGGT | TGGCTAGGAT | 170700 |
| GGTCTCGATC | TCTCGACCTT | GTGATCCACC | CGCCTCAGCC | TCCCAAAGTG | CCAGGATTAC | 170760 |

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| AGGCATGAGC | CACCGTGCCC | AGCCTCTTTT | TCTTTTCTTA | TAAGACAAGT | TCTCGCTCTC | 170820 |
| TTGCCCAGGC | TGTAGTGGAG | GGCAGTGGCA | TGACCACAGC | TCACTGCAGC | CTCGACCTCC | 170880 |
| TGGGTTTAAG | CAATCCTCCT | GCCTCACCTT | GGCAGAGTGG | CTGGGACTAC | AGGTATGTGC | 170940 |
| CACCATGTCC | AGCTAAAGTC | TTCTCTCCAG | AAAGAAGAAA | TGCATTGGAA | TTTAGAGGAT | 171000 |
| ACACAAACAT | CTAGCTGTAT | AGCTAATACA | GTAGCCACTA | TCATGAGTAG | GAATTTAAAT | 171060 |
| TTAACTTAAT | AAAAATTAAA | ATGAAAAAAT | TCAGTTTTTC | TGTTCCAGTT | GCCACATTTT | 171120 |
| GATTGCTTAA | TAGTTGCATG | TGACTAGTGG | CTACATAACA | GCCTCAATAT | ACAACATTCT | 171180 |
| GTTATCACAG | AAAGTTACCT | TGGACCAAGT | GCTGGGAGAA | GCAATGCAGG | CTTCCTCACA | 171240 |
| AAAGCTGTAA | AAGAGAGAAC | TCAGGGAGTG | TGAAACTCTT | TCCTATTCTA | GTAACTTCA | 171300 |
| AGAATAATTG | TTACCAGGCC | AGCACGGTGG | CTCACGCCTG | TAATCCTAGC | ACTTTGGGAA | 171360 |
| GCCGAGGCGG | GCAGATCACC | TGAGGTCAGG | AGTTTGAGAC | CAGCCTGACC | AACATGGCAA | 171420 |
| AACCTCATCT | CTACTAAAAA | TACAAAAAGT | TAGCTAGATG | TGGTGGTGCA | CACCTGTAAT | 171480 |
| CCCAGCTGCT | CAGGAGGCTG | AGGAAGGAGA | ATGACTTGAG | CTCCGGAGGG | GGAGGTTGCA | 171540 |
| GTGAGCCCAG | ATTACACCAC | TGCACTCCAG | CCTGGGTGAA | AGAGCGAGAA | TCTGTCTTAA | 171600 |
| AAAAAAAAAA | AAAAGAATAA | TTGGTACCAG | AATTACTCTT | TGTAATTAGT | AGTAACACTT | 171660 |
| ATGCAATTGG | GTGATCTGTG | ACAGATTCCA | TTGAAGGAGT | ATGGGGAGCT | TCACCCCAAT | 171720 |
| ATATGACTCC | CTGGTATAAT | GAGTATTTTG | AATTAAAGGC | CCTTAGAGAT | CAGCAGATGC | 171780 |
| TGGAAGAGAC | TTTTCCCCTA | TCTACATAAA | GACCAGTCAC | ACTAGACAAG | AAGAACAATT | 171840 |
| GTTTTTCCTT | CCAACCCCTA | TTATCTCATT | TTGTACTGAA | GAAAAGAGGA | CTAAGAATGT | 171900 |
| AACCAGACCT | AATCAGACAC | TTTCACAAAA | TAATGTCTGT | CTCTCAGGCT | CATTCAATTT | 171960 |
| CCAAAGAGAA | CCATTTACAA | GTAAACTCT | GTTCTCCAT | TCATTCATCC | TCCCAAATAT | 172020 |
| TCATTTATTC | TCCCTAGTAA | TCATTTACTG | CCCCTCAAAG | AATTACCTAT | ATTCTCCTGA | 172080 |
| TATCACCCCT | CCCCTCTGAA | ATAAATATGT | ATACATGTAT | AAACGTTATA | CATACATATT | 172140 |
| TATACAGTAT | ACATACATAT | TTATACATAC | ATACATATGC | ATACATATTT | ATATTTATGT | 172200 |
| ATTTATACAT | AAGTATTTAT | AAATAAGGCT | ATATAAGTAT | CTACCCCAT | TGGCAGAGGG | 172260 |
| GGTAATCACT | CTGTGATTCT | AGCCCATGTA | CTTGTTAATA | AATTTGTATG | CCTTTTCTCC | 172320 |
| AATTAGCCTG | CCTTTTGTGA | GTCGATTTTT | CAGTGAACCT | CAGAAGGCAA | AGGGGAAGTG | 172380 |

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| TTCCCTTGGC | TCCTACACCA | TCATGACAAT | AAAATTTGAC | TCCACCTCGA | CCCCCCCCAT | 172440 |
| CCCCCACAAA | GAACAACAAC | CAACACTGGT | TAATAAGGTC | GGTTGTTTTT | TGTTTGTGTT | 172500 |
| TTTGTGTGTG | TTGTTGTTGT | TGTTGTTTTT | GCTTTCAGGA | GCAGAGGTAT | AATAGGCAAA | 172560 |
| AGAAAGAGAA | AGGAGAATAG | TGAATACCTC | TTCTGCAGAG | AGGGGTGCCT | AAGTGGGACT | 172620 |
| TCCCTGGCTA | ATAACGTCTT | GCTAGAGACC | CAACCAGGAG | GATAATGGAA | GCAATCAAGG | 172680 |
| CAACCAGAAC | AACCAGAAGA | ACCAGTTTAT | CCTTTTTGTG | CCCTCTCCCT | AAACTGAGGG | 172740 |
| AATAAGAATT | GGAAAGAAGG | CTGCAGAGCA | GAGGGTTTGC | TCCTGAGGAG | CAGTTATTTT | 172800 |
| TATGGGATCA | GAGCTCCTGC | AGAACTGGGG | AGTTTACTTT | TACTATCTCT | TCTCCAGGAC | 172860 |
| AGGACCTATC | TCAAGAGACA | TGTTTCAGAGT | GATTGCAACA | TAAAGAGTTT | GCAGACCCAA | 172920 |
| GGAGGTAGGG | AAGGCAGAAA | GAAGATGGGG | GAGGCCAGGG | ATAGGCAACA | GAGGAGTGAC | 172980 |
| CAGGAGCGAA | AAAGCCTGCC | TCTTCTGAGA | ACCTAGCTGG | GCTCTCCCTG | TACCCCCGAT | 173040 |
| CCCTCCCCCC | CGCCCCCCCC | CACACCCCTA | CTCCTGGGAG | CTCCTCTAGG | ACAGGGGCAG | 173100 |
| AGTCAGGAGG | AAGTTTGAAG | AGTGCCTAGA | ATAAAAAACA | GTAATTTAAC | TACAATTACC | 173160 |
| GGGTAGGCTG | TTTTCTCTC | ACAATTTGAT | CAGTCTCTTG | AAGCCACACA | GAATTTCTTC | 173220 |
| TGAAGACGTG | TATTCCTTGG | CAGGCTATTT | CCTCCAGTGA | TACACCAGGC | CCCTCTCTGC | 173280 |
| TGGGGTCACT | GCTCTTCTGG | GGAGATGGGG | CTCCCCCTCT | TCCAAGGCTC | CAGGGTTCCT | 173340 |
| GTCCTGGGCC | CCACTCATCT | AAGTTCTGAA | TCTTCTGAGA | TTTGGTGTAA | AGTCTGGTGA | 173400 |
| AAGAAAGAGC | AGGAAAGAGG | TGAGAGCTGT | AAAACAAAGA | AAGTCCTGAC | CATTTTCAGA | 173460 |
| GTTGGAGGGG | CCCTGCTGTC | ACGAAATATA | TTCCCCACCC | CACCTTGCCAT | CAGTACACAC | 173520 |
| TCACATATCC | ACTGAGAAAA | CCTTAGCCTG | GACCTTTTCC | GTAACCTTCA | CTGCTCAGAC | 173580 |
| ACTTACATAT | TCGCTGCTAG | TCCCCCTCTGT | TGCTGCCACT | TCCTGGGTCA | GGAAGTTAAC | 173640 |
| TCAGACCGGA | TTAAACTGAG | AAGTGAAACT | ACTGTGGGAG | GCGGGGCTCA | TAAGATTTAG | 173700 |
| GAGAAAACTA | GTGACGTTGT | TCATATCATT | TGCACTCCGC | CTCTCCGGTA | AAGGAGGGGG | 173760 |
| AAACGTAGGA | AGAAAATATC | CTTCTTTTAC | AGCAATAAAA | AGAAGGAACC | AATTAATAAC | 173820 |
| CCTGTAAACT | ATCATGTGAC | CCCAACACAG | AGTATCTAAA | AACAGGAAGC | CTGCAGAGGT | 173880 |
| TCAGTTCACA | GACTCTGATT | TGAGATCTTT | CTACTTTTGC | CACCAACTCC | CTTGGGAGTC | 173940 |
| CTTAAGCCTT | CCTAGCTGAT | GTTACTTCTT | TTGCTATTTA | TGGGTTGCTT | GTGGTTCTAT | 174000 |

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|-------------|-------------|-------------|------------|------------|------------|--------|
| AACTGCTCTG | AAGGGTGTGG | TGGAAAAAAGG | GGTGGTAACA | GCAGTAGGAC | TCATTGGCAT | 174060 |
| CACAAAATTC | ATCTGAGTCA | GCTTTCTATT | CTTCTCTGTC | CCGTTCTGTG | TCTTGTTTTT | 174120 |
| CTCCTTGCTG | TCCTTCTGCA | GGA CTCAGAT | CTTCTTCAAT | AGCGAGGGTC | AGCCAGGATA | 174180 |
| GAAAATGGGA | GTC ACTAGTG | GGCCAGCAGT | GAGTGCCCCC | AGCTTAGAGC | TGTGTGGGAT | 174240 |
| CCCTGGGACC | ATCACTCTGC | TTTGTGCTTT | GTGGAGAAAA | GGCTGTGGGG | TCCAGGGTCA | 174300 |
| AGTCCTTAAT | GACTTAGCTC | CAGCTTCTCC | ACTTCAAAAT | GAAAGGAAAA | GTACTATCAC | 174360 |
| CACCCGTTAG | AATTATTATT | TCATGGGGAA | AAAAGATGGA | TTACTATCTC | ACAATAAGAG | 174420 |
| CTTGTCACAT | TTATAAGTCT | CAGGTGTAAG | AGGCATTTAT | GATAACAACA | TAATAAATGC | 174480 |
| TGGCTTAAGT | AGATGCAGTG | GTCCAAGGGA | ACCAGTAAGG | GGAGCTCAGG | ACACAGGTGG | 174540 |
| GAGGAGAAAT | TAAACTTGAA | TTCTGGGAGC | CACTGGCCTG | TCTGGGCCCC | TGGCCTGCCT | 174600 |
| GCTGACCC TG | ATAGCCAATG | GAACATGGAG | TTTGGCCCAG | CTGCAATCCC | TCTGGTCCAA | 174660 |
| CTACTCAAAA | TAAAGGCAAG | ATTGGGAAAC | ACGTTCCTTT | CTTCCTATAC | CAAGCAGAAG | 174720 |
| ACTCTTCAGC | ACTGCACCC T | CCTGGGTGCT | CACAGAGCCT | TCTGTTGTTT | TGCCACCTAC | 174780 |
| GATTCATCAT | GCCCTGGCAT | GATGGTTGCA | GACCCCATGC | ATAGCATGGG | ACATTCTACT | 174840 |
| CCTGAGGCAA | CCAGCACACA | GAGAGAGGAG | AAAGAATGAG | CCCCTGAATC | CTTGGTCCCA | 174900 |
| CGATGAGTCC | TTGCAGATAT | CTACAACTTT | CATTGTTGTG | GATGTGACTC | TGTACCCAGG | 174960 |
| CATGGCTCAT | TCCAGATCTG | TCCTATTGTC | AGAGGTGTTT | AAACCAGAAT | GACTCCATTT | 175020 |
| TGAATGGGGG | CTAGGTAAAA | TAAGGCTGAG | ACCTACTGGG | CTGCATTCCC | AGGAAGTTAG | 175080 |
| GCATTGTAAG | TCACAGGATG | AAATAGGCAG | TTGGCACAAG | ACACAGGTCA | TAAAGATCTT | 175140 |
| GCTGATAAAA | CAGGTTGCAG | TAAAGAAGCT | GACCAAAACC | CACCAAAATC | AAGATGGCAA | 175200 |
| CAAGAGTGGC | CTCTAGTCAT | TCTCATTGCT | CATTATACAC | GAATTATAAT | GTGTTAGCAA | 175260 |
| GTTAGAAGGC | ATTCCCACCA | GCTCCATAGT | GGTTTATAAA | TACCATGGCG | ATGTCAGGAA | 175320 |
| GCTACCC TAT | ATAGTCTAAA | AAGGGGAGGA | ACGCTTGGTT | CTGGGAATTG | CCCACATCTT | 175380 |
| TCCCAGAAAA | CATATGAATA | ATCCACTCCT | TGTTTAGTAC | ATAATCAAGA | AATAACTGTA | 175440 |
| AGTATCTGTA | TTAGTCCATT | TTCACACTGC | TGATCCAGAC | ATACCTGAGA | CTGAGTAATT | 175500 |
| TATACCAGGA | AAAAATGTTT | CATGCTCTTA | CAGTCCCACG | TGTCTGGGGA | GACCTCACAA | 175560 |
| CCACAGCAGA | AGGCAAGGAG | GAGCAAGTCA | GGTCTTACAT | GGATGGCAGC | AGGCAAAGAG | 175620 |

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|------------|-------------|------------|------------|------------|------------|--------|
| CTTGTGCAGG | GAAATTCCTT | CCTATAAAAC | CATCAGGTCT | CATGAAACTT | ATTGACTATC | 175680 |
| ATGAGAACAG | CAGTATAAAT | TACTCAGGGA | AAGACCTGCC | CCCATGATTC | AATTACCTCC | 175740 |
| CACCAGGTCC | CTCCCACAAT | ATGTGGGAAT | TTAAGATGAG | AGTTAGGTGG | GGACACAGCC | 175800 |
| AAACCATATC | AGTATCCTTA | GTCCAGAAGC | TGATGCTCTG | CCTGTAGAGT | AGCCATTCTT | 175860 |
| TTATTCCTTT | ACTTTCTTGC | TTTCACTTTA | CTGTGTAGAC | TTGCCCCAAA | TTCTTTCTCA | 175920 |
| CACGAGATCT | AAGAACCTTC | TCTTAGGGTC | TGGGTTGGGA | CCCCCTTCT | GGTAACACTA | 175980 |
| TCAAAGGATC | AGGAAAAGGA | AGCTAGTGAA | TGCTAAAAAG | GAAACAAACT | ACCATTACCA | 176040 |
| ATAATAACAG | CAAGACAAAA | GCAAAACGGA | TTGTGACAGC | TGTCCCATCT | CACACCTGTT | 176100 |
| TCCCATTGCA | GGAAGGAGGG | GCTGGTTCAT | GCACAGAGTG | GCCAATATTA | GAAGCAGAGA | 176160 |
| GGGGGTGCAG | ATGAGACTTC | AGGAATATGT | TGACAAAGGC | AGGCCTAGGG | AGAAATCAAC | 176220 |
| CTGAACTATC | CCCAAGGAGG | AATGCATTAT | CTCTAATATG | TAAAGTTAGG | CTTGATCCTG | 176280 |
| TGATTATGGG | ATATAGGAGT | CCAAAGACTC | ACAATGGGAA | GTAGGTCACT | AGAGTCTCCT | 176340 |
| TCAGAAGCTC | TGTACTGTGT | GTTCCCACTG | TGGGCAAGAG | TCAGCACTCA | GCTATTCCTA | 176400 |
| GAATGCCTTT | CCTCAACTCC | TTCAGATTTT | GCCTCTCAAC | TAACCCTATC | CTGACCACTT | 176460 |
| GTTAGCAAGT | GTACCCCTCT | CTCCCTCCCA | AACATTTTCA | AATCTATTTT | GTTCCCATGG | 176520 |
| CACTTATCAC | TGAATATTTT | ACTAATTTAT | TTTGTTTAGT | GTTTGCTTCC | CTCATGAGAA | 176580 |
| TGCAAAGGGA | TGGATTTTTT | TCAATATTGT | TCACTGATGA | ATCCCAGTAA | CTAGAATATT | 176640 |
| TCTAAGCATA | GTGATGTGCA | TTAAATCAAA | GAGTAACTTT | CTGAATTGCA | CTAAACACAC | 176700 |
| ATCACAAGAG | GTGTGTGCAC | ATATGTGCAT | GATGCACGTA | GTGTGGTGTG | GGTGTGTGTG | 176760 |
| GGGGTATGTG | GTA CTGTGTG | TGCTGTGTGT | GGTATGTGAT | ACATAGTTTG | TGTTAGTGTG | 176820 |
| ATGCATGTGA | TGTGGTATGT | GTGTGCGTGT | CCATACATAT | TAGGGGTGGC | GGGGATGTTA | 176880 |
| ATATGTCAAA | TGGTACTAGA | AAGTATCAGA | ACTCATGGTG | CTTACTGGTT | TCCCAGAGAG | 176940 |
| CTGCTTCTCT | CCCACCTGTA | GGATATACTG | ATGGTTTGGA | CAGAGAAGAA | ATAAAAAGAA | 177000 |
| GGCTGTGACC | TACTGGGCTG | AGGAAATAAA | AACGAAAGTA | AAAGAAGAGC | TGGGAAAAGA | 177060 |
| GAGTGGAGGG | GCCAAGGGAA | ATTTCCCCTT | TGGCTTCTGG | GGAAACTTTG | CTGAAAAATC | 177120 |
| AACTCACAAA | TTTATTAACA | TGTACACAGG | GAGAACCATA | GAATGATTAT | CCACTTCCCA | 177180 |
| AGAGGGCTTA | AAAGCTTATA | TATTATCCTG | GCAAAACAGA | TTATGGGAGG | GGAAGAAGAG | 177240 |

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|-------------|------------|------------|------------|------------|------------|--------|
| AAACTCTGTT | GATGGGATTA | CTGTTGCGGA | TTTTTGCTCC | TTCGCTCAGC | TAGGTCCGGG | 177300 |
| TTTTTGCTCTC | ACAGCCAGGA | AGAATTAGGC | ATGCAGCCAT | CAAAGAATGA | GTGGAGTAGA | 177360 |
| ATTTATTAAG | TGAAAGGAAA | GCTCTCAGCA | AAGACAAGGG | TCCTGAAAGC | AGATTTCTGG | 177420 |
| TTTGCTCTTC | ACAGTTGAAT | ACTAGGGCTT | AAGACTCAAA | TTCCTGACAA | CTCCACCCTG | 177480 |
| TCCTACCAGT | GCATGCAGGC | CTTTAGACTG | AGCTACTCCA | TATTGATTAA | TTTCCTGAAC | 177540 |
| TGCGCATGTG | TTAAGGAAAG | GAATCATCCA | CTGCAGGCAT | GTTTAGGCAA | GCCCCCTGTG | 177600 |
| CAAGTTCCT | TATCTGCACA | AAACATCCGG | TGTAAGCACT | TGTGGGGCAG | GTCAGAGGTT | 177660 |
| CTCTGGGTAC | CATTCCCTTA | CTGTCTGCCT | AAAGCAAGCT | GGCCAACCTC | TTTCATTACT | 177720 |
| AGGGAGAGTA | AGTAGATCAG | GGAACAGAGA | TTAACTTGAA | CATTATCTTG | TGAAAGTCCG | 177780 |
| TTCGGGCATG | GTTACATTCT | TGGTCTTACA | GGAAGGGTAA | ATAAAAATAA | TTGCTCTTTT | 177840 |
| TGGTGGGTCT | GGATCTTAGG | TAGATAAAGA | AACTTTAATT | CCACGATGTG | TTTTGGTAGG | 177900 |
| GATAGTTGGT | GGCAGGGATG | TCAGAGAGAC | TTTGAGGCTT | CTTCAGTTCA | ATATGACCAA | 177960 |
| GGGCCATATA | TTAGGGTATC | AATTTCTGAG | CCCCAACAAG | AGCTTAGGAG | AGATGTGATA | 178020 |
| GCATCACAGT | GTGAAAGCAA | TTTTTTGTCT | GTTTTTAGAG | ACAGGCTCTT | GCACTGTCAC | 178080 |
| CCTGGCTGAA | GTACAATGGT | ACGATCACAG | CTCACTGTAA | TCTTGAAGT | GGTTCAAATG | 178140 |
| ATCCTCCCAT | CTAAGCATTT | CAAAGTGTTG | GGATTACAGG | CATGAGCCAC | GGTACCCAGC | 178200 |
| CTGAAACTGC | ACCCACTTTC | TGATAAACTT | TTCAAATGAC | TAAAGGGGAG | AGAGTAAGCA | 178260 |
| CTACTCAGAG | GTAGGAAGAA | AGGACACAGG | ATTATAGGAT | TAAAACAACA | ACCACCAAAA | 178320 |
| AAAACCAGAC | CGGTGTGGTG | GCTCACACCT | GTAATCACAG | CACTTGGGGA | GGCTGAGGTG | 178380 |
| GGGGGAGTCA | CTGGAGGCCA | GGAGTTCGAG | ACCAGCCTGG | CCAACATAGC | AAGACGCTGT | 178440 |
| CTCTATTAAA | AAAAAAAAAT | ACCTGCCTTG | AGCTAATCAG | AATCATGGAC | CCTGACAAAG | 178500 |
| GATGTCCCAA | AGTAAGTCTT | AGCATTTTTT | TTTTTTTTTT | GAGACAGTCT | CGCTGTGTTG | 178560 |
| CCCAGGCTGA | AGTTCAGTGG | CGTGATCTCG | GCTCACTGCA | ACAGCTGCCT | CCCAGGCTCA | 178620 |
| AGCAATTCTC | CCTGCCTTCA | GCCTCCCAAG | TAGCTGGGAT | TACAGATGCC | CACCACCACG | 178680 |
| CCTGGCTAAT | TTTTGTTTTT | TTTAATAGAG | ATGGGGTTTT | GCCATGTTAA | CCAGGCTGGT | 178740 |
| CTTGAACCTC | TGACCTCAAG | TGATCTGCCC | ACCTTGCCCC | CTCCATAGTG | CTGGGATTAC | 178800 |
| AGGCGTGAGT | CACTGCACCC | GGCAAAGTCT | TAGCATTCTT | TACAAACAGT | TTGTACCCGT | 178860 |

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| ATCTCTAAAA | GGGAGTAGTG | AATTTACACC | CAAAATATGG | CTTCCTGATA | TAATGAGTAT | 178920 |
| TTTGAATGAA | AAACTCTTAG | AGATCAACAG | ACACTAAAGA | GACTTTTCCC | TAGGTACATA | 178980 |
| AAAATAGGAT | GGCCCCACCA | GCGAGAACAA | TTGTTCTTTT | CTCCCTCCCT | GTTATCTCAT | 179040 |
| TGTGCATTAT | AGGAAAGACC | AAGAATGTAA | CCACACCTGA | ACAGACCCTT | TTATAAGATA | 179100 |
| ATCAGTCTCT | AAGCATCATT | TAAATTCCAA | GGAGAACTAT | TTACAAATTT | ATCTGTTCTT | 179160 |
| TGATCCAATT | AGTCTCTCCT | GGTAGTTACA | TATTGCCCCCT | CAACAGAATT | CCTCTTCTTC | 179220 |
| TGTTTCCCAT | AACCTATTTT | GCAAGGATCA | AGCCCCTGTT | ACTTCTTCAA | CTTCAAGTTG | 179280 |
| GCATATAAGC | TTCTAAATTC | CACTGGGATA | TTGGTACTAT | GTGCATGAGG | AGAACCACAG | 179340 |
| AGTAATTAAA | TTGTAAAGCC | TTTTATCTTA | TGAATCTGCC | TTTTTTTGTG | TTCATTTTTTC | 179400 |
| AGCAAACTT | CCAAGGGCAA | AGGTATAAAA | CAAAAATAAA | ATTCTAAAGC | CCCCCAACCA | 179460 |
| TCTGAATAGA | CTTTCTCTTC | AGTCAGGCTT | CTTAAATGT | AACCTGAAAG | ACTGGCTCAG | 179520 |
| GCCATTAAGG | GAAGTGGGGG | TTGAACATGC | CTCATTATTC | CTCTCTGGCA | TTAACATCAA | 179580 |
| CACAGCTTTT | AAGTCTGATA | AGAAACATTT | TACAACCTAT | TCTCTCTGAA | GCCTGCTAGC | 179640 |
| TAAAACTTC | ATCCCATAGT | ACAACTTTGG | TCTTCACAAC | CTGTTATCAC | AACCTAGTGC | 179700 |
| TCCTTTCTAT | TAATCCCAAA | TCTTTATACA | AACTCAACCA | ATTGTCATCA | CCTCCACCCC | 179760 |
| ACTCCTCCGC | TGCTTCCAGT | TGTCCCGCCT | CTCTGGACCA | AACCAGTGTA | CATTTCTTAA | 179820 |
| ACGTATTTGA | TTGATGTCCC | ATGCCTCCCT | AAAATGTATA | AAGCCAAGGT | GCATCCCAAC | 179880 |
| CACCTTGAGC | GCTTGTTCTC | AGGACCTCCT | GAGGGCTGTG | TCATGGGCCA | TGGTCACTCA | 179940 |
| AATTTGGCTC | AGAATAAATC | TCTTCAAATG | TTTTACAGAG | TTTGGCTCTT | GTCATGACAC | 180000 |
| AGATGACTGC | TTCACTGAAG | CCTGCTCTGG | AAGTGAGTGG | GGGTTTTGCA | AGGATAATTT | 180060 |
| TCCCCGGATA | GCCCCAGAAG | CAGCTAGTAA | TAATACACTT | AAAGGTAGCT | AAAATGCATT | 180120 |
| GAACACTTGT | TTTGTGCCAG | ACCTATGTCA | ACATTTGCTT | TGTGCCAGGC | TTATGCCAGT | 180180 |
| ACTCCTGATT | TGTTAATACA | TTCTAAATAA | AAATTCTGGA | GTTTCAAATA | TAATAACTGA | 180240 |
| AAAACAGAAA | ATAAATAAAA | ATATATAATA | ACTGAAATAA | AAATTTACTA | AGGCTGGGGA | 180300 |
| TGGTGGCTCA | CTCACACCTG | TAATCCTGTT | ACCGGAAAGG | GGTCCGTCCA | GATCCAGACC | 180360 |
| CCAAGAGAGG | GTTCTTGGAT | CTCACACAAG | AAAGAATTCG | GGCGAGTCTG | TAAAGTGAAA | 180420 |
| GCAAGTTTAT | TAAGAAAGTA | GAGGAATAAA | AGAACGGCTA | CTCCATAGGC | AGAGCAGCTC | 180480 |

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|-------------|-------------|------------|------------|-------------|-------------|--------|
| TGAGGGCTGC | TGGTCGCCCCA | TTTTTATGGT | TATTTCTTGA | TTATGTGCTA | AACAAGGGGT | 180540 |
| GGATAATTCA | TGCCTCCATT | TTTTAGACCA | TATAAAGTAA | CTTCCTGACG | TTGCCATGGC | 180600 |
| ATTCGTAAAC | TGTCGTGGCG | CTGGTATGAG | CATAGCAGTG | AGGACGACCA | GAGGTCACCTC | 180660 |
| TCATCGCCAT | CTTGGATTTG | GTGGGGAGCA | GTGAGGATGA | CCAGAGGTCA | CTCTCATCGC | 180720 |
| CATCTTGGAT | TTGGTGGGGT | TTAGCCAGCT | TCTTTACTTT | TTTCCTTTTT | TTTTTTTTTTT | 180780 |
| TTTTTTTTTTT | GCCCAGGCTG | GAGTGCAGTG | GCACGATCTC | AGCTCACTGA | AACCTCCAAT | 180840 |
| TTCTGAGTTC | AAGCGATTCT | CGTGCCTCAG | CCTCCCAAGT | AGCTGGGATT | ACAGGCATGT | 180900 |
| GCCACCACAC | CCAGCTAATT | TTTTATATTT | TTAATAGAGA | CCGGGTTTTCG | CCATGTTGCC | 180960 |
| TACGCTGATC | TCCAACCTCCT | GCGCTCAAGC | CATCCAGCCA | CCTTAGCCTC | CCAAAGTGCT | 181020 |
| GGGCTTATAG | GTGTGAGCCA | CCCCACCTGG | CCTAGCCGGC | TTCTTTACTG | CAACCTGTTT | 181080 |
| TATCAGCAAG | GTCTTTATGA | CCTGTATTTT | GTGCCCCTG | CCTGCCTCAT | CCTGTGGCTT | 181140 |
| ACAATGCCTA | ACTTACAGGG | AATGCAGCCC | AGCAGGACTC | AGCCTTATTT | CACCCAGCTC | 181200 |
| CTATTCAAGA | TGGAGTCTTT | CTTGTTCAAA | TACCTCTGAC | AAGCCCAACA | CTTTGGGAGG | 181260 |
| ATGACACAGG | AGGATTGCTT | TAGCCTAGGA | GCTCAAGACC | AGCCTGGGCA | ACACAGTGAG | 181320 |
| ACCCCATCTC | TAAAAAATAA | AAATACAAAA | AAATTAGCCA | GGCATGATGG | TGTGTGCCTG | 181380 |
| TAGTCCCTGC | TACTCAGGAG | GCTGAAGTGG | GAAGATGGCT | TCAGCCCAGG | AATTCAAGGC | 181440 |
| TGCATTGTCA | GAGGCATTTG | AACCAGAATG | ACTCTATCTT | GAATAGGGGC | TGGATAAAAT | 181500 |
| AAGGCTGAGA | CCTGCTAGGC | TGCATTTCCA | GTATGTTAGG | CATTCTTAGT | CACAGGATGA | 181560 |
| GATAGGAAGT | CAGCACAAGG | TACACATCAC | AAAGACCTTG | CTGATAAAAT | AGGTTGTGGT | 181620 |
| AAAGAAGTTG | GCCAAAACCC | ATCAAAACCA | ACATGGCCAC | CAAAGGGACC | TCTGGTTGTC | 181680 |
| TTCACTGCTC | ATTATATGTT | AATTATAATG | TATTAACATG | CTAAAAGACA | CTCCTACCAG | 181740 |
| CATCATGACA | GCTTACAAAT | ACTGCGGCAA | TATCTGGACT | TTACCTTATA | TGGTCTAAAA | 181800 |
| GGTGAGGAA | CCCTCAATTT | TGGGAATTGT | CCACCCCTTT | TTTGGAATGC | TCATGAATAA | 181860 |
| TCCACCCCTT | GTTTAGCACA | TAATCCAGAA | ATAACTATAA | GTATGCTTAT | TTGAGCAGAC | 181920 |
| CACGCTGCTG | TTCTGCCTAC | AGAGTAGCCA | TTCTTTTATT | TCCTTACTTT | CTTAATAAAC | 181980 |
| CTGCTTTCAC | TTTACTGTAT | GGAATTGCCC | TAAATTCTTT | CTTGTGTGAG | ATCCAAGAAC | 182040 |
| CCTCTCTTGG | GGTCTGGATC | AAGACCCCTT | TCTGGTAACA | TCTTTCTGGT | GACCACGAAG | 182100 |

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| GGACAATACT | GAGGAGACTC | TGAAGCCAAA | GGAAACAGAC | TACAGCACCA | ACTGGCTGAC | 182160 |
| TTTGGGTAA | TGGTGGAGTC | CCCGGGTAAA | GGATAGGATT | GGGTAGAGG | TGCAACTTAG | 182220 |
| GGGAGATAGG | GTCTCTCCTA | AGACAGAGAG | CGTTTCAGTC | CGCTCTTAAT | AAAGGGCAAG | 182280 |
| AATGCTTGAC | CGAACTTGGG | TTTGAGACCC | AACTTAGGAA | GGCTACAGTC | CTTAAGATTT | 182340 |
| AAGGGGTAG | AGGCCCTCT | CAGTAAAGTC | TCTCTTGGTT | AAAAACGGAT | TTAGCATTAG | 182400 |
| GGGATGTTAA | CTGCTATTCT | GTTTGTATTA | ATCTTCCCTG | TGCTCTTGC | TGACAGCTAT | 182460 |
| GGGTGACAGG | ATTAGGCATG | TACAGGATCA | CGGGACATTG | GGAACTTTTC | TTCTCTCCAA | 182520 |
| AAGGGGAAGC | TTGACAGCTG | ATAGGACTGT | TGGAAAAGAT | CCCTTTGCTA | TGACAAGCAG | 182580 |
| CCGCCTGAAC | TTTTGATTCA | GTGTTGCTGC | AATGGGTGGG | TCTTTCTCTG | GCCTCTGTGA | 182640 |
| ACTCCTCACC | TTCCCCACCT | CACCACAGGC | AATGCTTTTC | TCCCTTTCTC | TCTTTTCTCT | 182700 |
| TTTCTGTCTT | TTCTGTTACT | TGAGACAACC | ATCTTGCCCA | GAGACCATAT | GTTGAAACTC | 182760 |
| CTGGTCAGAA | GTTTGATTAA | AGATGAAAGG | GCCTATCTGG | GGGCAAGTTT | GAGCCTTCCC | 182820 |
| AGTTAGATAT | TGGGTGCTAA | GTGGAGTGGC | CAATGTCTAT | GTTTTGTCAC | ATGTATATTG | 182880 |
| CTCTGGCTGA | AATGGAAAAC | GTTAATTTGG | TTACTTTATG | TGGCCATTGG | GCAGCATCTT | 182940 |
| ACAAAAGTGA | GAGACATTTA | TTTGCCTGTG | GTTCCATGAA | ACAGAAAAAA | GTTGGTTTTTC | 183000 |
| CTTTGTGTCG | TAGCTTGGAC | CCAAGGGCTT | TGCAGTGAGC | AAGGTTGCTA | GCGCTGCTCA | 183060 |
| GTGAAAGAGA | ACCCAGAAAC | CTGGCATGCC | AGCAAAAGGG | TAAAGATTTC | TTACCAGTCA | 183120 |
| GGCTTCTGGC | CTCTCTCTCT | TAGTGAAAAC | TGAATGAATG | GTAAAAATCA | CTGTTTATCA | 183180 |
| CCTCTGTAAA | GTTTTGATTA | ATGGGAACAA | GGATTTGTGG | GGCTAGTCTT | AAGCTGTAAT | 183240 |
| GAATCTGGTA | TACTTTGTGA | TATCAATTTG | TCTTTCTGTA | TTACTCTGTC | ATAAAGAGGA | 183300 |
| ATATGGTAGG | ATAGAACATG | GGCTTAGGAC | TCCATAAGCC | TGCTGTTCAA | GCCAGCCCAG | 183360 |
| TAAACTGGTC | CGTTGCAAAG | TTTATTACAG | GTCCCTGGAA | AAAAAAAAAA | TTAAAAACTG | 183420 |
| GATGAAGTTT | CCTTCTCATC | TTGTTTTATG | TCCTTTGGAG | CTTCACCTTG | TAACCACGTG | 183480 |
| GCGGTACTTT | CTCTTGGTCT | CTGCCATCCA | GGGAACAGGA | ATTTTGGGGT | TTATGTAATA | 183540 |
| GTTAACTCTA | AAAATTATCT | CAAGCCATTG | CAAGCTCAAA | ATTGGCTGCT | CTGGACCCCT | 183600 |
| TCTGGGAAGG | GCAATGGAAA | CTAACCAGTG | TTGTAGCTCA | GCAGCTAAGG | ATTTGTCATT | 183660 |
| TTATAATGGC | GGCCAAGGTT | CAATCCTGGC | TTAGGGAATG | AGTACTTTCT | GATTGATATC | 183720 |

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| TGTGTGACCT | TTACCATTTG | TTGATTCTGT | TCTCTTCCCC | TCCACACACT | GTCTTGAGTT | 183780 |
| TTCCTCTCTC | TGAGAACCTG | GGAGATTATC | TTTGGTAAAG | TTCAAAAGCC | AGAAATAATG | 183840 |
| GCCGTGTGGG | ATGGCTAAAG | TTGAGTAATA | AGAAACTTAA | AAGGACTCCT | TTTTTTTTTTG | 183900 |
| CTTTAGAGTG | CTATGGTTTA | TGGTTAAAAG | CTTAATTAAA | AGTGGATATT | CAATCTCTAA | 183960 |
| AAGCCTGGGA | CTCCTTGGGA | AAAGCAGAGG | AGGCACCACA | GACCCCATTT | TGGGAAAACC | 184020 |
| TCTGTTTTCC | TCATGAAACC | CCAGGAACTG | GAAGTGGATA | GATCCTTCGC | AAAATCTAAG | 184080 |
| GCTCTGTTTG | GCTTTGCATT | ATGTTATCTG | ATGTTTTTGA | CTTTTGGGGG | TATCAGAAAT | 184140 |
| TACTTTGCAT | TATGAGGGAG | ATCTGGTGTG | TAATAACCAG | GTAGGAAATA | TACTTCTGGG | 184200 |
| GATAGCTAAA | GGCAAATATA | GGTGAATACT | TGGCTATTTG | CACTTTTGGA | TCACAAGAAG | 184260 |
| CATTCTCTTG | ACTACCTAGA | AGGTATGGAA | ATGTCTCCAT | CCCCACCGAG | AGATAAGATT | 184320 |
| CCCAGGGGAG | ATGGCTGATC | CCCCAAAAGA | GGGCTGATTC | CCTCTTTTGG | GATCCAGGAT | 184380 |
| CTGGTATAAA | AATGGGACCC | TGGCCAGGCA | CAGTGGCTCA | CGCCTGTAAT | CTCAACACTT | 184440 |
| TGGGAAGCCT | CAGAGTTATG | AATGTCTCAC | CATACTGACA | CTTTGTGACT | GAGCTCCTCT | 184500 |
| CTACCCTGGA | CACAAGAGAC | CCTAATAATT | AGACAGGAAT | ATCATTGCCC | CTATTTAGTC | 184560 |
| TGAAGAAGTT | ATAGAAGATG | GATCTTTATC | CCACTGCAAT | CCTTAGGATT | AAGGGTTCCC | 184620 |
| TGGTAAAAGG | GAGTGGGAAA | ATATGTCAGA | GGCATTTGAA | TCAGAGTGAC | TCCATCTTGA | 184680 |
| ATAGGGGCTG | GGTAAAATAA | GGCTGAGGCC | TGCTGGGTTA | GGTTAGGCAT | TCTAACCAGG | 184740 |
| AGTTTAGTCA | CAGGATGAGA | TAGAAGGTTG | CACAAGGTAC | CCGTCACAAA | GACCTTGCTG | 184800 |
| ATAAAATAGG | TAACGGTAAA | GAAGCCAGCT | AAAGCCCACC | AAAACCAACA | TGGCCACAAA | 184860 |
| AGTGACCTCT | TGTCATCCTC | ACTGCTCATA | TACACTAATT | ATACTGCATT | AGCATGCTAC | 184920 |
| AAGACACTCC | CACCAGTGCC | ACGACAGTTT | ACAAATACCA | TGACAACATC | TGGACGTTAC | 184980 |
| CTTATATGGT | CTAAAACGGG | GAAGAACCCT | TAGTTCTGGG | AATTGTCCAC | CTCTTTCCTG | 185040 |
| AAAAATTCTT | GAATAATCCA | TTAGTTTAGC | ACATAATCCA | GAAATAACTA | TACGTCTGCT | 185100 |
| TATTTGAGCA | GTCCATACTG | CTGCTCTGCC | TATGGAGTAG | CCATTCTTTT | CTTTTATTTT | 185160 |
| TATTTTTTAG | ATAAAGACTC | GCTCTGTCAC | TCAGGCTGGA | GTCTGGAGTG | CAGTGACGTG | 185220 |
| TTTTGGCTCA | CTGCAACCTT | CACCTCCCGG | GTTCAAGCAA | TTCTCCTGCC | TCAGCCTCCC | 185280 |
| AACTAGCTGG | GACCACAGGT | GGGTGCCACC | ATGCCTGGCT | AATTTTTGTA | TTATTAGTAG | 185340 |

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| AGATGGGGTT | TCGCCATGTT | GGCCAGGCTG | GTCTCGAACT | CCTGGCCTCA | AGCGATCCAC | 185400 |
| TTGCCTTGGC | CTCCCAAAGT | GCTAAGATTA | CAGGCATTAC | CCACTATGCA | TGACCCATTC | 185460 |
| TTTTATTTCT | TAACTTTTTT | TTGTTTTTTT | GAGACAGAGT | CTCACTCTGT | CACCCAGGCT | 185520 |
| AGAGGCTGGA | GTGCAGTGGT | GCGATCTTGG | TTCAC TGCAA | CCTCTGCCTC | CTGGGTTCAA | 185580 |
| GCGATTCTTC | TGCCTCAGTC | TCCTGAGGAG | CTGGGACTAC | AGACATGTGC | CACTACACCC | 185640 |
| AGCTAATTTT | GTATTTT TAG | TAGAGACAGT | GTCTTGCCAT | GTTTGTCAGG | CTTGTCTCGA | 185700 |
| ACTCCTAACC | TCAAGTGGTC | TGCCTGCCTC | AGCCTCCCAA | AGTGCTGTGA | TTACAGGCAT | 185760 |
| AAATCACTGC | GCTCGGCCCT | TCTTTACTTT | CTTAATAAAC | TTGTTTTCAC | TTTACTGTAT | 185820 |
| GGACTAGCCC | CAAATTCCTT | CTTGTGTGAG | TTCCAATAAC | CCTTTTGTGT | GTGAAAGAAT | 185880 |
| TTATGGCTGC | TGTT CAGGCT | GGAGCAAGCT | GGAGCTCATG | CTGCTGCTCA | GA CTGGAGCA | 185940 |
| TGCGTGATCT | GTGATCCCAG | TAAGAGGATC | ATGGTCACTC | CAGCCTGAAC | GACAGCATGA | 186000 |
| TATCTCATCT | GTAAGAAAAA | AAAAATTACT | AGAGGGCTTT | AACAGCAAAT | TTGAGCAGCA | 186060 |
| AAAAGAAGTA | ATCAGTGAAC | TCAAAGATAG | GTCAATTGAA | ATGATCTACT | CTGAAAAACA | 186120 |
| GAAAGAAGAC | AGAATGAAGA | AAAAGAAATA | GAGCCTTAGA | GACAGGGGAT | ACCATCAAGC | 186180 |
| ATACTAATAT | ATGCATAATG | GGACTCCTAG | AAGGAGAAAA | GTGAGAGGAC | AGGGAGAGAG | 186240 |
| AATGTTTGGA | GAAATAATTT | CTCAAAGCTT | CCCATGTTTG | GCAAAAAAAC | ATTA ACTTGC | 186300 |
| ATACATATTT | TAGGAGCTCA | ATGAATTCCA | AGTAGGATAC | ACTCAAAGAG | ATCCATACCT | 186360 |
| AGACACATCA | TAATCAGATT | ATCAAAAGAT | GAAGAAGATG | AATCTTGAGA | GCAGAAAGAA | 186420 |
| AGGAACAATT | CATCACATAC | AAATAGTACT | CAAAAGATGT | CTGGAGTAGG | TATACTAATA | 186480 |
| TCAGACAAAA | TAAACTTTAA | GATAAGCATT | GTTATAATAA | ATAAAGAAAG | GTATTTTGTA | 186540 |
| ATGATAAAAG | TGTCAATTCA | TCAAGAAAAC | ATAACATTAT | AAACATACAT | GCACCTAACA | 186600 |
| ACAGAGCCCT | AATATTCATG | AAACAAAAC T | GACAGAATTG | AAGGGAGAAA | TAGAAAATTC | 186660 |
| GACAATAATA | GTTGGAGACA | TCAATACCTC | ACTAGTTAGA | CAAGATCAAC | AAAAAAATAG | 186720 |
| AAGACTTAAC | ACTTGAAAAC | ACCTAACCTG | ACCCTAACAT | AAATCTATAG | GTC ACTACAC | 186780 |
| CCCCAAACAG | CAGAATAAAC | ATCCTTCTGA | AGCTCACATG | AAACATTTTT | CAGGATAGAC | 186840 |
| TGTATATTAC | TTCATGAAAT | AAGTCTCAAT | AAATGTAAAA | GGACTATAAT | AATAGAGTAT | 186900 |
| ATATTCTCTG | ACCAAAGTGG | AATGAAGATA | GAAATCAATA | ACTAGGCTGG | GCGTGATGGC | 186960 |

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| TCACGCCTGT | AATCCCAGCA | CTTTGGGAGG | CCAAGGCGGA | CAGATCACGA | GGTCAGGAGT | 187020 |
| TTGAGACCAG | CCTGACCAAC | ATGGTGAAAC | CCTGTCTCTA | CTAACAAAAT | ACAAAAATTA | 187080 |
| GCCAGGCCTG | GTGGCATCTG | CCTGTAGTCC | CAGCTACTCG | GGACACTGAG | GCAGGAGAAT | 187140 |
| CACTTGAACC | CAGGAGGCAG | AGATTGCAGT | GAGCTGAGAT | CGCGCCACTG | CATTCCAGCC | 187200 |
| TGGGAGACAG | AGCGAGACTC | CATCTCAAAA | TTAAAAAAA | AAAAGAAACT | AGAAAAATAA | 187260 |
| GAACAAATCA | AACCCAAAGC | AAGCAAGAGG | AAAATGAAAA | ATTTCAAAGC | AGCCAAGAAC | 187320 |
| AAAAGGCACA | TTATGTACAG | AAGAACAAGT | GTATAGATCA | CATATTTCTC | ATAGACACAA | 187380 |
| TATAAGCAAA | AAGACAGTGG | AGCAAAATTT | TTTAGATTAA | TGAAAGACCT | ACAATTCTGT | 187440 |
| ACCAAGCAAA | AAAAC TCCCC | CCAAATGAGG | GTGAAATAAG | ACAATTTAAT | ACAGAGAAAA | 187500 |
| GAGGAAGGAA | TTTATCTAGT | CATATGTGAG | AGTTTTATGA | TACATTTTGT | ACTGTATATG | 187560 |
| TGGATGTTTT | CTATTTTATT | TAAAAAATCA | ACCGTGCAAT | TAAATGGTAG | ATTGTCTTGC | 187620 |
| TTCTTTTTGA | TTGACACAGT | CATTAATAA | AATATTGTAG | TATTTTTTTA | TCTCCCTGCC | 187680 |
| TAAAGGCAAT | AAACATCTAA | TCAGCAGACT | AGAACAATAA | AAAATATTTT | TTAAAAGTCC | 187740 |
| TTTAGGCAGA | ATGATAAAAG | TCCCTTAGGC | ATATTGAAAT | TCCTATTTAT | ACAAAGGAAT | 187800 |
| AAACAGTACT | AGAAATTGTA | ACTATGTGAG | TAAACAGATA | ATATTTTTTC | TCCATAAAAT | 187860 |
| GTGGTTGACT | ATTTTCACAA | AAATAGTTAA | CAATGTAATG | TGTGATTTAT | AGCATT TAAA | 187920 |
| AGTAAAACAG | GCCGGGCACA | AAGGTTCTGT | CCTGTAATCC | CAGCACTTTT | GGAGGCCGAG | 187980 |
| GCGTGCAGAT | CACTTGAGGA | CAGGAGTTCA | AGACCAGCCT | GGCTAACATG | GCAAAACCCC | 188040 |
| ATCTCTACTA | AAAATACAAA | AATTAACCAG | GCGTGGTGGT | GCACGCCTGT | AATCCCAGCT | 188100 |
| ACTCTGGAGG | CTGAGGCACA | AGAATCACTT | GAATCCAGGA | GGTGGAGGTT | GCAGTGAGGC | 188160 |
| AAAATTATAC | CACTGTGCTC | CAGCCTAGGC | AACAGAGCTA | GACTCTGTCA | CACACACACA | 188220 |
| CACACACAAA | AGAAAAGTGT | ATGACAACAA | CAGTGCAAAA | GAAGCGGAAA | TGAAAATAAT | 188280 |
| GTTATTTTAT | ATAAGTGGTA | TACTTTTAGA | TGAACTACGA | TAAATTAATG | ATGTATACTA | 188340 |
| TAAACTCTAA | GGCAACCACT | GAAATAATGA | AACGAAGAAT | TATGGCTAAC | AAGCCACAAA | 188400 |
| AAGAAATAAA | ATAGAATGAG | AAAAAATATT | TAAGTTGTTC | AACAGATGGG | AAAAAAAAGA | 188460 |
| GGAAAAAGAG | AACAAAGAAC | AGATGGGACA | AATGGGAAAG | TAATAGCAAG | ATGATAGACT | 188520 |
| TAACTCTACC | CATATAGATT | ATCACACTTA | AGGTAAATGA | TCTAAATACT | CTAATACAAA | 188580 |

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| AGCAGAGGTT | GTCAGATTGA | ATTAAAAAAA | CAGACAACAA | CAAAAAAAG | CAAAAAAAGA | 188640 |
| GCCACAACAT | GCTGCCTACA | AAAAATTCAC | TTTAATATAA | AGACACAAAT | AGTCTAGAAC | 188700 |
| ACCATCACTT | TTAACCTTAT | TTACTCAAAC | CTCCTAACTG | ATCCCTATTT | ATTTATTTAT | 188760 |
| TTATTTATTT | ATTTATTTAT | TTATTTTGA | GACAGAGTCT | GACTCTGTTG | CCCAGGCTGG | 188820 |
| AGTGCAGTGG | CACCATCTAG | GCTCACTGCA | GCCTCTACCT | CTCGGGTTCA | AGCGATTCTC | 188880 |
| CTGCCTCAGG | CCTCCCAAGT | AGCTGGGACT | ATAGCACATG | CCACCATGCC | CAGCTAATTA | 188940 |
| TTATATTTTT | AGTAGAGACG | GGGTTTTGCC | ATGTAGGCCA | GGTTGGTCTC | AAACGCCTGA | 189000 |
| CCTCAGCCTC | CCAAAGTGCT | GGGATTACAG | GCGTGAGCCA | CAGCACCCAG | CTCCTCTTCA | 189060 |
| TTTATTCTTG | CTACGCTTCC | TCCAATCCAT | TTTGTGCATT | TGATGATTTT | GCCAGTAACT | 189120 |
| TCTTTATTTT | TCTGGTAAAA | TTACTTATGG | GTCACGAGG | ACTGGGATGT | TCTTTCTTCT | 189180 |
| AGAGGGGGTT | TGTGTCTGCT | TTTGCCAGGA | AGCTGGGGTA | CCACCAGTCA | AGTATTACTT | 189240 |
| TAAACTCAAT | TCATGAATTG | AGACTTTTTT | TTTTTTTTTT | TTTTTTACGC | AGAGTCCTAC | 189300 |
| TCTGTCACCC | AGGCTGGAGT | GCAGCGGTGT | GAACATGGCT | CACTGCAGCC | TCAACCTACT | 189360 |
| GAGCTCAAGC | AATCCTTCTG | CCTCACCATT | CTGTATAGCT | AGGACTACAG | GTGTGTGCCA | 189420 |
| CCATGCCTGA | CTAATTTTTT | AAATGTTTTT | TTTAGAGATG | GGGCTCACTT | TGTTGCCCAG | 189480 |
| GCCGGTCTCG | AGCTCCTGGG | CTCAAGTGAT | CCTCCCACCT | TGGTCTCCCA | AAGTGCTGGG | 189540 |
| GTTACAGGCA | TGAGCCTCTG | TGGCTAGCCA | AGACTTTTTA | TTTTTTAGCC | TAAATGTGTA | 189600 |
| TAAAAGTTGG | CTTGTGGTTA | CAACTTATCA | GGATTGATGA | TCTCTCTCTC | TCTCTCTCTC | 189660 |
| TCTGTCTCTC | CCCACCTCTC | TCACATCCCT | TGCTCTGCTG | AGAAGCAGAG | CAAACATTCT | 189720 |
| AGCAGTTTCC | AGAGAGTAGG | ATGGGATTAC | TTCTAGTTTA | CTTTTATCAT | CCTTTGGGAT | 189780 |
| CGCAGTATTA | CTGGGAGAAC | ACAAGTATCT | CTTATTAGAC | ATACCACCTT | TGTAGAATCT | 189840 |
| GGACTTTCAT | TTTAGACTTT | ATTTGTTTTT | TACTATAAGC | AATTTAAGTT | ACAGATCTCT | 189900 |
| CTACACACTG | TTTAAGTTGC | ATCCCATGAA | TTTTGATGTG | CTTTATTGTC | ATTATTATAT | 189960 |
| AGTACAATGT | ATTTTGTAAT | TTTTTGATGAT | TTGTTTGGAG | AGATTGATTA | ATTAGAATGA | 190020 |
| TGTTTAATTT | CCAAATATGT | GTGTTTTTTT | CCTACATTTT | TTATTTTAT | TGATTTCAAA | 190080 |
| TTTATTTCTA | CTGTAGTCAG | ATTTAATAAT | TCATTTATTT | TTATTATTTT | CATTTTTTTA | 190140 |
| GAGACAGGGC | CTTTCTGTGT | TGCCCAGGTT | TGTCCCAAAC | TCCTAGTCCC | AAGCAGTTCT | 190200 |

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| CCTGCCTCAG | CCACCCAAAG | TGCTGGGATT | ATAGGCACGA | GCCACCCGTG | CACAACCAAC | 190260 |
| AATTCATTTA | AAAAGTGGGC | AAGTGAAC TG | AACAGACATT | TCTCAAAAGA | AGGCATACAA | 190320 |
| TTGGCCAACA | AATATATGAA | AGAATGCTCA | ACATCACTGT | ATTAGTCTGT | TTTCATGCTG | 190380 |
| CTAATAAAGA | CTTAACCTGA | GACTGGGGAA | TTTACAAGAG | AAAGAGGTTT | AATGGACTTA | 190440 |
| CAGTTCACAC | TGGCTGGAGA | GATCTCACAA | TCATGGTGGA | AGGCAAGGAG | GAGCAAGTCA | 190500 |
| CATCTTACAT | GGATGGCAGC | AGGCAAAGAG | AGAGCTTGTG | CAGGGAAACT | CCCGTTTTTA | 190560 |
| AAACCATCAG | ATCTCGTGAG | ACTCATTAC | TATCATAAGA | ACAGCATAGG | AAAGACCCGG | 190620 |
| CCCATAATTC | AGTCACCTCC | CACTGGGTTC | CTCCCAGGAC | ACATGGGAAT | TGTGGGAGTT | 190680 |
| ACAATTCAAG | ATGAGATTTG | GGTAGGGACA | CAGCCAAACC | ATATAAATAA | CTAATCATCA | 190740 |
| GGGAAATGCA | AATCAAAACC | ACAATAAGGT | ATCATCTCAC | CCCAGTTAGA | ATGGCTATTG | 190800 |
| TCAAAAAAAC | AAAAAATAAC | AAATGCTGGT | GAGGATGTAC | AGAAGAGGGG | ACTCTTATAT | 190860 |
| CCTACTGGTG | GAAATGTCAA | TTAGCATAGC | CATTATGCAA | AATAGTATGG | AAGTGAGGTA | 190920 |
| GGTTACATAG | GGTGGTCACA | GCCTCCCTTG | AAAGGAAACA | AGAAACTTGT | CAAATTGATG | 190980 |
| GAGAGAACAA | ATCTCTTGAC | ATTACACAAA | CTGCATCTGG | GGCTAGTGGT | TAGAATATCC | 191040 |
| TCAGTCAAGG | AGGTAGAAGA | GCAGGAGGGA | AAATCCCTAA | GTTTCGTGCA | GTGCAGAAAC | 191100 |
| CCACAAGCTG | TGTTCTCAGG | TTGACATATA | CTCATTTTAA | TAGTAAGAAA | CACACCCTTG | 191160 |
| GGTAGAGAAT | TAAAATGCTA | ATAATACATG | TGATGTATGT | ACTAGCGTGT | ATGGCAATAT | 191220 |
| TGCATGCACA | TTCAAGAGAC | CACCCAAAAC | ATATTTAACA | ACAATGCCCA | TTCCCACCCC | 191280 |
| CTCATGGATA | ATCACGTAGG | ACTCCCATAA | CGGGAGTTTC | TTCAGTGTCA | ATTGGTGCTG | 191340 |
| AAGTAGCCGA | CCCTGACTCT | GCTATCAGCG | TGTACTTTCA | CCTTGCAATA | AACTCCTTTG | 191400 |
| CCTACTTTTA | CTTTGGACTG | GCTTTCAAAT | TCTTTTGTGC | AGGGAATTCA | AGAATCTGAA | 191460 |
| CCAGCCCACT | GACAACAGAG | GTTTCTCAGA | AACCTAAAAA | TAGATCTACC | AGATGAGGCT | 191520 |
| GAAAATCTGC | TACTGGCTAT | TTATCCAAAG | GGAAGGAAAT | CAGTATACAA | AGAGACACCT | 191580 |
| ACATCCCCAT | GTTTATTGCG | TCACTCTTCA | CAAGAGCTGA | TATATAGAGT | CAACCCTAAA | 191640 |
| TGTTCAATTAA | CAGACAAATG | GATAGAAAAT | GTGGCATATA | TACACAATGA | AATACTATTT | 191700 |
| GGCCATGAGA | AGAATGCAAT | CTTGTCATTT | GTGGCAACGT | AGATGAAACT | GGAGAACATT | 191760 |
| ATGTTAAGTA | AGATAAGCTA | GGATTGGAAA | GATAAATACT | ACATGTTATC | ACTCATATGT | 191820 |

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| GAAAGTAGAG | AAAAATTTTT | AGCTCATGGA | TTTAGAGAAC | AGAACTGTGG | GTACCGGAAG | 191880 |
| CTGGGAAGGG | TAGCAAGGAG | GGGAGGATAG | GGAGAGGTTG | GTTAATGGTG | ACAAAATTAC | 191940 |
| AGCTAGATTG | TAGAAATGAG | TTCCGGTGTT | CTGCACCATT | GTAGGGTGCA | TATGGTTAAC | 192000 |
| TCTCATTTAT | TGTATATTTT | CAAAAAGCTA | GAAAAGAATT | TTGAATACTC | ACAACAAAAT | 192060 |
| AAATGATAAA | TGTTTAAGGT | GATGGATATA | CTAATTACTC | TGATTTGATT | ATTACACATT | 192120 |
| GTGTACACAT | ATAAAAATAT | CACTCTTTAT | CCCGTATATA | TGTACAGTTA | TTATATGTCA | 192180 |
| ACTAAAAATA | AAAGAAAAAA | AGAATATGAT | CTATCATGAT | GTATATATCA | TGTGTACTTG | 192240 |
| AGCAAAATGT | GCATGCAGAT | ATTGTGTATA | ATGTTCTATA | AATCAATTAG | CTCAAGATAA | 192300 |
| TAGATAGGAT | TGTTTCAGATC | TTCTGTGTCT | TTACTGATAT | TTTGTCTAGT | TATTGCATCA | 192360 |
| TTACCAAAAA | AAGGGTGTTA | AACTCTCCAA | ATGTGATTGT | AGAATTGTCT | ATTTTGTCTT | 192420 |
| TTCTTTTCCA | TTTTTACTTT | ATGTATTTTG | AACTCTGTT | ATGACATTTT | GCTATGTATT | 192480 |
| TTAAAACTTC | GTTATGTATT | TTGAACTCT | GTTGTTAGAA | TCATACATTT | ATGATTATTA | 192540 |
| TGTTTTCTTG | ATGAAATGAC | CCTTTTCTAT | TGTCGTTGTT | TTTGTTTTTT | CTGAAATGGA | 192600 |
| GTCTCACTCT | GTTGCCCAGG | CTGGAGTACA | GTGGCACAAT | CTTGGTTTAC | TGCAACCTCC | 192660 |
| ACCTCCTGGG | TTCAAGCGAG | TCTCCTGACT | CAGCCTCCAA | GTAGCTGGGA | TTACAGGCAT | 192720 |
| GTGCCAGCAT | GCCAAACTAA | TTTTGTATTT | TTATTAGAGA | CAGAGTTTCA | CCACGTTGGC | 192780 |
| CAGGCTGGTC | TCGAACCTCT | GACCTCAGGT | GATCCGCCCA | CCTCGGCATT | TTTATTTTAT | 192840 |
| TTTATTTTTT | TGAGACAGAG | TCTCACTCTG | TCACCCAGGG | TAGAATGCGG | TGGTGTGATC | 192900 |
| TTGGCTCACT | GCAACCTCCG | CCTCCTGGGT | TCAAGCAATT | CCCATGCCTC | AGCCTCCCGA | 192960 |
| GTAGCTGGGA | TTACAGGCAC | ATGCCACCAT | GACTGGCTAA | TTTTTGTATT | TTTAGTAGAG | 193020 |
| ATGGGGTTTT | TCTATGTTGG | CCAGGCTGGC | AACTGACTCC | TTTAACAATA | CAAAATATCA | 193080 |
| CTCTGTCTCT | GGTAACACTC | TCTGTCTTAA | ACTCTATTTT | AGCTGTTATT | ATTATAGCCA | 193140 |
| TTTTAGTCTT | TTTATGCTTT | CTGTTTGCAT | AGTGTATATA | TTTTAATATG | TTTATTCTCA | 193200 |
| AGTTATCTGT | GTTTTTATAT | TTAAGATGTT | TCTCTTCTAG | CCAACGTGTT | TGGTTCCTGC | 193260 |
| ATTTTTAAGT | CGATTCTAAC | AATCTTTGCC | TTTCAATTGA | AATATTTACA | CCATTAACAT | 193320 |
| CTAACATTAA | CATTTATTTT | TCTTTCCACA | GTACACTGGC | TAGCATCTCC | CATATAATAT | 193380 |
| TGAACATAAA | GTGTGATAAC | TGACATCCTT | ATTTTCATTCC | TACTCTGAGT | GGAAAGGGCA | 193440 |

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| GGGGTGGAGA | AAGCATTCAA | CAATTTGCCA | TAATTATAAT | TCTTTTTGTT | ACACTGTTTT | 193500 |
| CTTCTGCATT | AAAAAATATC | ATTACATTTT | GCATGAATTA | TTAGGAGAAA | ATATTTTCCA | 193560 |
| ATTTTCCTGG | AAAATGCCAT | AACCACGTCT | CTCAATTTTG | TTTCCATCTT | TCTTCCACAT | 193620 |
| TTTACATAAC | CTACATAAGA | GACACATTAT | CAAGTATATT | TTACATGGCT | TCTCAGTGTC | 193680 |
| TTCTCTGTCT | GCTAACAGGT | TTACCAAGAG | ATGGCACTCT | TGTATTTCTG | GTGGCTATGT | 193740 |
| CCATATCGTT | TTGCCTTTAA | GACAGCGTAA | CTACTTCTTT | CACCAGTATT | AAAGACATGT | 193800 |
| ACATTTGATC | TGGTTCTTGT | GGATGATTTT | AAATGACTCA | AGCTAATAAT | CCTAATTTTA | 193860 |
| CCTAAACACT | CCATTATTTT | AAAATGTATT | CCTTTATGCC | CACAATAAAC | ATTTATTGAC | 193920 |
| ATTAGGCTGG | ACATTAGGCT | TCTCTATGGC | AGACATTAGG | CTGGACCCTA | GCCATATATC | 193980 |
| TATTGAGGGA | AAAAAATTA | TTTTCTATAT | AAGTTTCCAG | AAAGCCAAGA | TGTGTTTTAA | 194040 |
| AAACAAAACA | AAACATTACA | TTCTAAATGC | TGTAACAAGA | TAAGAAAAG | TGTTGAGGCT | 194100 |
| GAGAGAAGAA | CAAAGCAGCA | AGCAACTCCT | GGAAGGACCA | CTGCTGCAGA | GGTAATAACT | 194160 |
| GGTGAACCAT | GTTTTGGAGA | AGGAAAAGGT | CACCAAGAGA | AGGAGGGGGT | CCAGGGTGTT | 194220 |
| CAGAAAGATT | GCATGCATAA | AGATCAAGGG | TAATAAAAAA | AATTCCGTAT | TATGTAAATG | 194280 |
| TGAAGTTCCA | GGACCATGAG | CTTGGAGAGC | ATGAAGTACA | GGAGGAGGGT | TGGTTTCAA | 194340 |
| TAAATCTGGG | AATGAAACAG | TGAAGCCTCT | GGCAGAACTC | ACATCTCTTT | CCTCCCCTCT | 194400 |
| TCCTTGACACA | TTCCCTTTAT | GGAGTAATTG | CAGGGATGGG | AAAAGTTCAA | AACCACCACT | 194460 |
| GAGCCTAGGA | AGTGCTAGGG | TAAAGTGGAG | AATGAACCTG | CGTGATTTGC | TCATCCTAAA | 194520 |
| CTAGGTTCTT | CTAGGAGAGC | CCTTCCCCAT | AAAATCTGCC | CTCCTCGAAG | GGGCCAGAC | 194580 |
| AGCCTAAGCT | CACCTCCCAA | AGACCCCTTA | CTTGCTGACT | GAATCTGATT | CCACCCAGAC | 194640 |
| ATGGCCTAAA | ACCCTTCCAT | AATCTATAG | CCAAATTCAA | TTTTAGACAG | GCCTCATACC | 194700 |
| AACCTTTCTT | CCTCTAAGTC | TGCCACCCTA | GGCAATTCTC | AACATTCTCT | ACACACTTTG | 194760 |
| GGGCCATAGA | CGTGCTACCA | AGTCTCCAGA | CCTAGACCTG | ATGGAGCAGT | GCTGTAATGA | 194820 |
| GACGACCACT | GGCCTTTGAA | CCAGACCCTT | CTCTGTGGCT | CCTATGCATC | TCCAACCTGT | 194880 |
| TTTGAGCACT | GCTGCCAAGA | CATCTTTGGC | ACTTTGTTGT | GAAGTTTTAA | AACTGAACTA | 194940 |
| ATCTACAAAA | CACCTAACCT | TTAAAAATTC | ATTGTCATTT | CATATCATGA | AAGATAAAGA | 195000 |
| AAGGCCAGGA | AACTGTTCCA | GGTTAATAGA | GAATAAGAG | ATAGCAACCA | AATGCAATTT | 195060 |

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| GTGATCCTGG | ATTGAGGGGA | AAAAGTGTTG | TCAGAGACAT | GATTGGGACA | GCTGGTAAAA | 195120 |
| TTTGAATTTG | AATTTAAAGA | TAAAGTATTG | AGTAATATAG | GAAGATGATT | ATCTGCAACT | 195180 |
| TTCAAATGTT | TCAGTAAGTA | TATATATATA | TAAAGAGATA | TAAAGACATA | TAAATAAATA | 195240 |
| GATGGATAGG | TAGAGAAAAA | GCAAATGTAT | AATATTAACA | ATCTAGGTAA | AAAGTATATG | 195300 |
| AGTGTTCTTT | GTACTGTTTT | TCTGATTTTT | CTATATGTTT | GAAATCATTT | TAAAATAAGA | 195360 |
| AGGTTTTTGG | GGTTTTTTTT | TTTGTTTTTT | GTTTTTAGAG | ACAGCATCTT | ATTCTGTCAC | 195420 |
| CCAGGCTGTA | GCTCAGTGGC | CCAATCATTG | CTCACTGCAG | CCTCAACTTC | CTGGGCTCCA | 195480 |
| GTAATTCCCC | CTACCTCAGG | CTCATGAGTA | GCTGGTACTT | CAGGTGTGCA | CCACTGCACT | 195540 |
| CAGCTAATTT | TTATTTTTTTA | AATTTTTGTA | GAGATGGCAT | GTTGCTATGT | CACCCAGGCT | 195600 |
| AGTCTCAAAC | TCCTGCCCCC | AAGTGATCCT | CCCACTTTGG | CCTCCCAAAG | TGCTAGAATT | 195660 |
| ATAGGCATGA | GCCACTGCAC | CCAGCCCCAA | ATAAAAAAGT | ATTTTATTTT | AATTAATAA | 195720 |
| TTAATTTTGA | GTCAGAGTTT | CACCCTTGTC | ACCCAGGCTG | GAGTGCAATG | GCATGATGTT | 195780 |
| GGCTCACTGC | AAACTCTGCC | TCCTGTGTTT | AAGCGATTCT | CTTGCCCTCAG | ACTCCTGAGT | 195840 |
| AGCTGAGATT | ACAGGTGCCT | GCCACCATGC | CCAGCTAATT | TTTATATTTT | TAGTAGAGAC | 195900 |
| GGGGTTTCAG | CATGTTGGTC | AAGCTTGTCT | CAAACCTCCTG | ACCTCAGGTG | ATCCACCCAC | 195960 |
| CTCGGCCTCC | GAAAGTGTTG | ATGAGCCACC | ACACCCGGTC | TAAAAAGTAT | TTTAAACCA | 196020 |
| CAGTCCCACT | CTACCTTGTC | CTACACTACC | AGGGGCTAGG | ATCACCCCAT | GTCTTCTAGG | 196080 |
| CTATGAGATA | GAGGAATCCA | AGGAAGAAGA | TAAGCTACTT | GGTTCCTCTA | TAGGGTCTTG | 196140 |
| TGTGTGCTCT | CATGTGCTCT | CTCTCTCTCT | CTCTCTCTCA | CACACACACA | CACACACACA | 196200 |
| CACACACACA | CACACACATG | AATACCAGAG | CTATCACTTT | CCCAGTCTAG | TACTCATCTC | 196260 |
| ATCCCAAGGG | TTTTGTGTTG | TAGTGGTTTG | CTCATTTGTT | TGTTTTGTTT | GTTTGCTTGG | 196320 |
| ATTATTCTTT | TTCTCTTTTT | GCAGCTGAAG | GGAGAATTTT | CAGGCCAGCC | CTTTGGCCAT | 196380 |
| TAGAGTTACA | GTGCTCTAT | TCAGGCTTCA | TAGAGAGACC | TGGGATTCAG | TAGTGGGGGG | 196440 |
| CTTTTATCCA | GTTCAAAATA | ATGCATTCTC | ACCAAGATGT | ACTTTGAAAT | AAAACAATAC | 196500 |
| TAAAACACAA | AATTTTATTT | ATGCTGAACA | TTGAATCACT | TTTTTCTGTA | TTTTGTGTAG | 196560 |
| AAAGTTATAC | ACACACAAAC | ACATTTGCTC | CTGCTTTGTT | TATTGGCCCA | GGGGTATGTT | 196620 |
| TGGTAATACT | TCATCAGGCA | TGAGTAGTAC | GTCTTGGAAG | GTGTGGTCTA | AAGCCTAGAC | 196680 |

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| TCCTATCTGC | TTCCTTCAGC | ATTCTCCAGT | GTATCTGTCA | TCTGTCTACC | TTAGGATGGG | 196740 |
| GTCTCCAGAA | CTTCCATTCA | CATTTAGAAG | AGGGCAGCGG | CTTTCTATGG | AAAATATGAA | 196800 |
| CTCTCATTCA | TCTCTATTCC | TTCTTCTAGC | TATGGTCCAG | CTCAGCTGTT | TGGAATAAAG | 196860 |
| TATCTATATG | AAGTCTGCGA | ATGGTTCTCA | GACTGGTTGA | ACATTAGAAT | CACCTGAGTA | 196920 |
| CCTTCTAAAA | TTCTTATTAC | CCAGGGCATA | TCTCAGAATG | AGTACCACAG | GGTAGGGATA | 196980 |
| GGATTAGGGA | TCATGATCTC | TGGAGTCTGG | TTTAGGCACT | AGTGCTGTTT | AAAACCTACGT | 197040 |
| TCATGAGGTG | GAGGTTGCAG | TGAGCCGAGA | TGGCGCCACT | GCACTCCAAC | CTGGGCGACA | 197100 |
| GAGTGAGAGT | CTGTCTCAAC | AACACAAAAC | AAAAAAAACC | AACTACCCTT | GTGATTTGAA | 197160 |
| TGTCCATCCA | AAATTGAGAA | CCATTAGGTA | AGGCCAAGCT | GTATAATTAA | AGAGCAGTTT | 197220 |
| TCATTTGTCT | GGTGTGGTGG | CAGCTTTTTG | ATAAGGGAAG | TATTGTTGCC | ATCCACATAC | 197280 |
| CTGAGCCTCA | CTCCTGAGAA | CACTGGTGTG | TATGTTGCTA | AAATTCCCCA | GGTGATTCTG | 197340 |
| AGGTTCTCTC | CTGGATAAAA | ACCACTGACC | CTGGGAATGT | ACCCACTGCC | AATCTCCTGC | 197400 |
| GTAAACCTTG | GATACTGGGA | AGCCTACAGT | TGAAAATATT | GGGCTTGAGA | TCCTGAAACA | 197460 |
| AATCTTGTAT | TTCATTAAGA | CTAATATTTG | GTACAGTGCA | GCAAATCAAG | GGAATTTTGG | 197520 |
| TGGCTGAGTT | CTTTTAGAAC | TTTTGCATTG | AAATAGGTTC | AAGCAGCAAT | AAGTTAAAC | 197580 |
| TACAACTCA | GCTAAAGGAT | TAAAAGACAC | GTGAGCTGGG | TAGGATGAGG | TCTAAGATTG | 197640 |
| GGTGTGGCGG | CTCATACCTG | TAATCCCAGC | ACTTTGGGAG | ACTGAGGTGG | GTGGATCACT | 197700 |
| TGAGGTCAGG | AGTTCAAAAC | CAGCCTGGCC | AACATGGTGA | AAACCCATCT | CTACTAAGAA | 197760 |
| TACAAAAAAA | TTAGCTGGGC | GAGGTGCCAG | GCACCTGTAA | TCCCAGCTAC | TGGGGAGGCT | 197820 |
| GAGGGAGGAC | AATCACTTGA | ACTCAGGAGG | CAGAGGTTGT | AGTGAGCTGA | GATCGCACCA | 197880 |
| CTGCACTCCA | GCCTGGGTGA | CAGAGCAAGA | CTCCATTTAA | AAAAATAATA | ATAATAATAA | 197940 |
| CAATAATAAT | AATTCAGACA | TATCCAGGCA | TCAAACAGAT | ACCTGGGGCA | GATGAATAGT | 198000 |
| CTTGAGATTC | AAGTCACACA | TGAAATTTAG | GTGGAAAATG | ACATTGGAGA | AATTTGAGAT | 198060 |
| TATGATGAAT | GGAAATTTTT | CAAAGAGGAA | TTTCAGGCTC | TGTTCTTGAG | GGGATAGATG | 198120 |
| GACTTCCAAC | AGCAATAACA | CAGGATTAAT | GAGGACTTGG | GATGTTACAT | AAATTAGAGA | 198180 |
| TGTTAGATGG | ATAAAGAGAT | AAAAGTACTC | TCTCTAAGAA | CATGGGACCA | GAGATAGGCT | 198240 |
| CACTTCTAAC | CATCAGATAT | AACTAGCAGA | CTAAACGGTC | TAAAAATAAA | AATCATGCCC | 198300 |

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| CACTCCTGCT | TAAGACATTT | TAATTACTCT | CAGTAACTCT | TCAGTTTTTC | TACTGTGTTA | 198360 |
| TCTTTAACTA | CAGGGTTGGT | CTGGGTGTGC | AACACAAGAA | AGCCTGGCAT | ATACATGGAT | 198420 |
| TCAAGTGTAT | GCCATGTACA | GGTATTCTTT | CATGTACTAT | TTCATGTATT | CTTTTTCACA | 198480 |
| TCTGTTTTTT | CCTTCATTGA | AGTCAATGGC | TGATATTAGA | TTCTACTATT | CATGTGTACT | 198540 |
| AGTTATATAT | AATTGTTACA | AAACAAATTA | GCAAAAACCT | AGTGGCTTAA | AGCAACACAC | 198600 |
| ATTTATTATT | ACCTAAGGTC | TGTGGATAGA | AGTTCTGACA | TGGCTTAACT | GGGTTCCCTG | 198660 |
| CTTCAAGCCT | CATGTGGCTG | CAATCCAGGT | GTTGGCTGAG | TCTGAATTCT | CATCAGAGGC | 198720 |
| TTGATTGTGG | AAATTTCCAC | TTCCAAGCTC | CCTCAGGTTT | GTTGAAAAAT | TCAGTTCTTT | 198780 |
| GCACCGGTAG | AAGCTTCTTG | GTAGAGGCTG | ATTCAACTTC | TAGAGGCTGT | CTGCAGTTCC | 198840 |
| TGTCACCCAG | GGTGGAGTGC | AGTGGAGCAA | TCATAGCTCA | CTGCAGCCTT | GACCTCCCAG | 198900 |
| AATCAATCTG | TTCTCCCACC | TCAGCATCCT | GAGTAGCTGG | GACCACAAGT | GTGTGCCATC | 198960 |
| ACACCTGCCT | AAAAAACAAA | CAAACGAAAA | AAAACCCCCA | GAGAACTTTG | TAGAGACAAG | 199020 |
| CTGGTCTGGA | ACTCCTGCGC | TCAAGCAATT | CTCCTGCCTT | AGCCTAAAAG | TTCTGGGATT | 199080 |
| ATAGGTATAA | GCCACCATAC | CTGGCATATG | GCAAGTCTTG | AGCAGGACAA | ATACAGATGA | 199140 |
| TTTATGTCTG | TCTTCCATGG | TATTCTAGGT | TATTGTTGAG | ATGGTCCTCT | ATTGTCTTGT | 199200 |
| TCCATCTATT | GATTAGATAA | AACGTTGTTC | CTTCTGTTAT | TTTTCAACAG | TAGCTTTTAT | 199260 |
| GTGTCTCTCT | TTATCTTAAA | ATTCTAACCA | AAGAGCTGCT | CTTTTCTTGG | TGTACTTTAC | 199320 |
| CTTTGGTTGA | TCCTTCTTAA | CCTCTTCTTG | CCCTCTGGGG | CCTAAGATGA | GGGCTGTTAT | 199380 |
| CAGATGTGAG | TCTATGGGAA | AGCAAGCAAG | AGGTTCTTCA | GCCTCCGTTT | AGCCTTAAAT | 199440 |
| GTCTAGGTAG | AAATCAGTCA | TGGCCCTTCC | AATGTGGTAC | AGACCAGATC | ACAGAGACAG | 199500 |
| GGGTCTCAGC | CAAGGTCTTG | TGGCCTAAGC | CTTATAGAAA | TAATGAGTGT | TTACTTACTT | 199560 |
| GGAGAACTCC | CTTGGAATAT | CTTTTTTTGT | GAACCTGAGG | CAACTTTTGG | TGATTTCTTG | 199620 |
| ATGTCTTGGG | AATCTTGGTC | TAGAGCCATT | TCAACCTGAT | TTCTTTTCAT | GTCAGTGGCA | 199680 |
| TTTTGTGACC | AGATAGTAAA | TAAGTTCTAT | GATGTTCACT | CAGAGAAATA | CAATGACTTA | 199740 |
| TGATGTGAAG | CTTCTGTGGT | TCAGCCCTTA | CTTCATCTTC | ATTCCCTCTT | ATCTGCATCT | 199800 |
| GTCTCCTGCT | TGGGAACAAA | AGTCTGGCTT | CATTCTATGA | CCCCCACGTT | GAGTTTCTTA | 199860 |
| GTAGCACTTA | CTTTTCAATT | AGGAGTGTCC | TCACTTCTAT | CCATCAGACA | TAACTAGCCG | 199920 |

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| ACTAAACAGT | CTAAATATAA | AAATCATGTC | CTACTCCTGC | TGAAAACATT | TTAATTACTC | 199980 |
| CCCATCATTT | AATTTTTTCT | ACTGGGTTAT | CTTTAACTTC | AGAGTTGGTC | TTGTGTGCAA | 200040 |
| CACAAGAAAA | CCTGGCATAT | ACATGGATTG | AAGTGTATGC | CACGTGCATG | TATTCCTTCA | 200100 |
| TGTACTATTT | CATGTATTCT | TTTTCACATC | TGTTTTTTCC | TCTAAAATTT | ATTCCTTTT | 200160 |
| AAAAATGAAA | ATTTTGCATT | TGACTAAATT | TGTCAAATTT | AGTCAAATTT | GTTTAAAACC | 200220 |
| ATTTTTTAAA | TGTTTCCCGA | AGTTTGTAGT | GAAGTTAGTA | CTTCAGAAAA | ACTGTTTTGT | 200280 |
| ATTTTTTCATG | TGACCTCAGT | GCACTGCTGT | GCATTTCCAT | TTCTGCGTCC | ACACACATTT | 200340 |
| GTTTTGAGGA | AATATAGGAA | CGACAAGATA | AAGTTCAAGC | TCCTGGACAT | TGCATAAAAG | 200400 |
| ACCGTCATGA | CCTGGTCCTG | TTGACTTCCC | TAGATTTCCC | GCTATTTTCT | AAGTTGAGAT | 200460 |
| TTTTGGTTTG | GATGCTTTGT | GTTTTCCTAA | AATCAAATA | GGTTTTTGCC | TTTTATGATT | 200520 |
| ATACAGTAAA | TAAATGCTAT | TTGTGTGAAA | CTTTAAACAA | TACAAAAAAA | ACCTAAGGAA | 200580 |
| GAAAGTCAGA | TTCATCTAAA | AATCCTTGTC | GCCAGAATTA | ACTACCTTAG | TTATTATTTT | 200640 |
| CTCTATCTCT | CTCTCTCAAT | GTATATTTGG | TGTAGGTATA | GGGGTGTGTG | TAGTGTGTGT | 200700 |
| GTATGTATAT | ATCTGTTTCT | ATTCCTGTAT | GTGGATGTGC | ACAACGCATC | CTGCTTTGTA | 200760 |
| CACTACAGTA | CTAGCATTTT | TCTAATGTAA | TTCAATATTG | TTGAAAACAT | TTTAAAAAAG | 200820 |
| CTTGTATATA | TACACACACA | TACACATACA | TGCATGTATG | TACATATACA | CATACAGACA | 200880 |
| AAAATGTATC | CTATGTATAT | TCACACATGT | ATACACACTC | ACACGTACAT | AGAGTTTTAC | 200940 |
| ATCCATAGTT | TATAAATGTT | GCTTTTTTTT | GGTCACCTTT | TTGCTAAGTC | TTACACTTTT | 201000 |
| TTTTTTTTTT | TTGAGACGGA | GTTTTGTTGT | CATTGCCCAG | GCTTAGTGCA | GTAGCGCGAT | 201060 |
| CTCACCTCAC | TGCAACCTCG | ACCTCCCGGG | TTCAAGCGGT | TCTCCTGCCT | TAGCCTCCTG | 201120 |
| AGTAGCTGGT | ACTACAGGTG | TGCGCCACCA | TGCCTGGCTA | ATTTTTGTAG | TTTTTTTATA | 201180 |
| GAGACGAGGT | TTCAACCATGT | TGGCCAAGCT | GGTCTGGAAC | TCCTGACCTC | AAGTGATCTG | 201240 |
| CCTGCCTCAG | ATTCCCAAAG | TGCTGGGATT | ACAGATGTGA | GCCACTGCAC | CCGGCCAAGT | 201300 |
| CTTACACATC | TTTTTTTTTAC | CACTAAACTG | TTTACCCAAA | CCTGATAACC | CAAGTCAACA | 201360 |
| GCTATTATGG | CTCACACAAT | CTTATGTAAA | CAAAGATACA | GATATATAGA | ATTTTCTTGA | 201420 |
| TTAATATTCA | GAAAAAAATG | GAGTCCCTTT | ATACGTCCTT | AGTATCTGCT | TTACTCATTT | 201480 |
| AAAAATGTAT | TACATTATAT | GAAAGTATTC | AGGTCAAATG | TTATAGATGT | GATTCATTCT | 201540 |

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|------------|-------------|-------------|-------------|------------|-------------|--------|
| TTTTAACTGT | GTTATTTTTTC | TGCAATGACT | ATGTATCACA | AAGTACTCAG | TCTTCCACTG | 201600 |
| ATGAAAATTT | GGGCTATTTTC | CAGTTTGTCT | TCCATTTTTTC | TTTCTTCCTC | TTGGATTTTTC | 201660 |
| ACTCAATGTG | TTTACTAATT | TAGGAAGAAT | CAATAGTTTTT | TATGGTATTA | CTTCTCCCAT | 201720 |
| TCAAGAATAT | AGCATATGGT | ATAGTATAGT | AGAGTACTTA | GTTTAATTTA | GCCAGATCCT | 201780 |
| GTTTTCTGCC | CTTTAATAAA | ATTCTATCAT | TTTCTGCCTT | TGAGTCACAT | TTTCCTTGTT | 201840 |
| CATATAATTC | TTAAAAAATG | TATAGTTTTTC | ATTCTAAGGG | AACATAAAAA | CTTCTTTCCA | 201900 |
| TTTCTATTCC | TGTCTAGTTA | ATTCTACTAT | TGGGAAAAGT | AACTGTTAAA | AAAAATTCTT | 201960 |
| ATCTTTCCAG | TCAGTTCACC | ACATTTCCCT | TATACCTTTG | TACTTTAATC | CCCAGTCATG | 202020 |
| TTGAACACTT | CTTATTCCTC | ACACCAAGCC | TCAACGGGTT | TGCTCTTTCT | GGAAGGTGCT | 202080 |
| TCCCCTGTAT | TACTGACTTA | TTCATACCAC | ACATGGAGAC | TGGCGCAGCC | CTGTTCTGCC | 202140 |
| TGGGAAGCCT | TCCCCTGATA | CCCCTAGTTG | GCAGGAGTCT | TCATTTGTTC | TTTTCTAGTC | 202200 |
| ACCTGTGCAA | GTTTGTATTG | TTCATGTTTA | TCATCCTTCA | TTCTAGTTGT | CTGTCTCTAT | 202260 |
| GTGTGGTCTC | ATTCAGTGGA | CTCTGAACTC | TTATGAAGTC | ATGTCATGGG | TCAGATCTTA | 202320 |
| ATAAATTAAT | ATTGTCGGAA | GCTAATGTCA | TGTCTAGAAT | ACAGAAAATT | TATCAAAAAA | 202380 |
| AAATATAGTA | TGTTGGCTGG | GCGCAGTGGA | TCAAGCCCGT | AATCCCAGCA | CTTTGGGAGG | 202440 |
| CCGAGGCAGG | AGGATCACAT | GAGGTCAGAA | ATTCAAGACC | AGCCTGGCCA | AAATGGTGAA | 202500 |
| ACCTCATCTC | TACTAAAAAT | ACAAAAAGTA | GCCAGGCGTG | GTGGTGCCCA | CCTGTAATCC | 202560 |
| CAGCTACTCA | GGAGGCTGAA | GCGGGAGGAT | CACTTGAACC | TGGGAGGCAG | AGATTGCAAT | 202620 |
| GAGCTGAGAT | CATGCCACTG | CACTCCAGCC | TGGGCGACAG | TGAGACTCCA | ACTCAAAATA | 202680 |
| ATAGTAATAA | TAATAATAAT | AATTGTATGG | AATTGAACTG | CTCTGATTGG | AAATAGCTGT | 202740 |
| TTTTTAAAAA | ATTATTATTT | TTTAAGTTCC | TGGGTACATG | TACAGGATGT | GCAGGTTTGT | 202800 |
| TACATAGGTA | AACGTGTGCC | ATGGTGATTT | GCTGCACCTA | TCAACCCATC | ACCTAGGTAT | 202860 |
| TAAGTACAGC | ATGCATTAGC | TCTTTTACCT | AATGTTCTCC | CACACCCCCA | CCCCATCCTC | 202920 |
| CCCCAACAGG | CCCCAGTGAG | TGTTGTTCCC | CTCCCTGTGT | CCACGTGTTT | TCATTGTTCA | 202980 |
| GCTCCCCTC | ATAAGTGAGA | ACATGAGGTG | TTTGGTTTTT | TGTTCTTGCC | TTAGCTGTTA | 203040 |
| ATGTCAGGCC | AGAGAGGCTT | AAATTTTTTA | GGATCTCTGG | ACTTTTCTTC | TACATTACTC | 203100 |
| TTGATGTTTA | TAAATGTTAC | AACTTCTTTA | ATTTCATTA | ATGTATACCT | TATTGAGTTG | 203160 |

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|------------|-------------|------------|------------|------------|-------------|--------|
| ATTTAACTGA | GTAACTTTG | TTATATGAAA | ATCATGATTG | GGAGTGAGGG | GGTTAAACCA | 203220 |
| GCTACAGAGA | TCTTGATTGT | TGGTGGTGAA | GCAATGCAAG | AATTCATTCA | TTCAGTAAAC | 203280 |
| TAATGTTTAT | TAAGCGTGTA | CTGTCTTAGT | CTGTTCAGAC | TGCTGTAAAC | AAATATCATA | 203340 |
| AACTGGGTGA | CTTATAAACA | ACAAAAAATT | TATTTCTTAC | AGTTCTGGAG | GTGGGAAGTC | 203400 |
| TAAGATTAAG | GCCCTGGCAA | ATTTAGTGTC | TGGTGAGGAC | AGGTAGCCAT | CTTTTTGCTG | 203460 |
| AGTCCTAACA | TGGCAGAAGG | GTTGAATAAA | CTTCCTTGGG | TTTCTTTTAT | AAGGACACTA | 203520 |
| ATCCTAGTGA | TGAGGTTTCT | GCCCTCATGG | TATAACTACT | GCCCAAAGAC | CCCTCCTTCT | 203580 |
| AATATTATCA | CTTTGTGGGT | TAGGATTTCA | ACATGAGTTT | TGAGAGGATA | CAGACATTTG | 203640 |
| GATCATAGCA | CACACCATAG | GACAGACACT | GTGCCAAGAA | TTGTGGATAT | AGTGATTCTC | 203700 |
| AAAATGAACA | AGATCCCCCTC | AGAGAGCTTG | CAAAATCCAG | CTATAAAATT | ATGCTTTTTTA | 203760 |
| AACAAATTAT | GCAGTTTGAA | AAATCTACTC | TGAATCTTAC | TTGTGGCATT | GAATACTTTC | 203820 |
| GGCCACTCTT | TCCTTATTAT | ATTAAATATT | TACTCTTGTT | TGGGGGATCC | AGTCTCACCT | 203880 |
| ACTTTTTCTA | CCAGAACTGG | TATCAGCTCA | TGCTCTGCCT | TATGCAAATT | AAGAAAATAT | 203940 |
| CATACCTTTT | GGGTAAATTA | AGCCAAGAAA | GTTCTCCTTT | CTTCTCTTTC | TCTCTTTCTT | 204000 |
| TCTTTCTCTC | TTTCTCTTTC | TTTCTTTCTC | TCTCTTTCTT | TCTTTCTTTC | TTTCTTTCTT | 204060 |
| TCTTTCTTTC | TTTCTTTCTT | TCTTTCTTTC | TTTTTCTTTC | TTTCTTTCTT | TCTTTCTTTC | 204120 |
| TTTTTCTTTC | TGACAGGGTC | TTGCTCTATT | GCCTAGGCTG | GAGTGCAGTG | GTGCAATCTC | 204180 |
| AGCTCACTGC | AGCCTTGAAC | TCCAGGGCTC | AAGCAATCCT | CCTGAGTAGC | TGGGACTATA | 204240 |
| GGCATGTGCC | ACAACATCAA | GCTAATTTTT | GCATTTTTTT | GTGGAGACGG | GATCTCCCTA | 204300 |
| TGTTGCTAAG | GCTGGTCTTG | GATTCTGCGG | CTTATGCGAT | TCTCCTGCCT | CAGCCTCCCA | 204360 |
| AAGTCCTGGG | ATTACAGGCA | TGAGCCACTG | CCCCTGGCCA | TTATAACTAT | TTTCATTGGC | 204420 |
| TTATCAGGCA | CATGATAACT | ATAATAAATC | AATAACCAGA | ATTTTTAAAT | AAAGAAAGGA | 204480 |
| AGGAATTGTT | TCAACTCTTC | CTGCTACCCC | TCTATCCCTC | AAAAGGGTAG | GCTGAATGTT | 204540 |
| GTCCTCCAAA | GATATCCATG | TCCTAATCCC | CAGAACCTGT | AAATATATTA | CCTTATATGA | 204600 |
| CAAAAGGGAC | TTTACATGTT | TAATAAGTTA | AGAATTTTGA | GATGGGCAGA | TTTTCTTGAA | 204660 |
| TTTTGCAGAT | GGGCCCTAGT | GTAATCACAA | GGGTCCTTAT | AAGAGACAGG | CAGAAGAGTC | 204720 |
| AGAATAAGAG | AAAAATACTT | CAAGATGTTA | CACTGCTGGC | TTTAAGGTGG | AGGAAAGGCC | 204780 |

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|------------|------------|------------|-------------|------------|------------|--------|
| AAGAGCCAAA | AAATGCAGTG | GTCACTACAA | GCTGAAAAGA | AAAAGAAATG | GATTTTCCCC | 204840 |
| TAAAGCCTCT | GGAGGGGGCA | CAACCTTGCC | AATACCTTGA | TTTTGGCTCA | GTGAAACCCA | 204900 |
| TTTTGGACTT | CTGACCTTTA | GAAGTGTAAA | TAAATAAATA | ATTTTGTGTT | GTTTCAAGCC | 204960 |
| ATCACAGTTG | TGGTAATTTA | CTACAACAGC | AATAAAATAG | AATTAAATAC | AGAGATCTGA | 205020 |
| GGAGTTGAGT | AGGATAAGCC | TACTCCAGCA | GGTTATTTTCG | GGAGTATGGT | GAGACTCACT | 205080 |
| AGGATGGCGG | AACTCAATTA | AGGAAGTCTG | AAGCTGATAA | GCCAGAGAGG | GAAGGCTCTC | 205140 |
| ACTTCATTTT | ATAAGGGTTG | CGTCACACTA | GGAAGATCCA | ATAGCAACCA | CAGTCTCAAA | 205200 |
| ATTAATGATT | ACAAATAGGA | CACAATTCCA | AGAGTCGGGA | GCCAAGCAGA | AAATGGATTA | 205260 |
| GGGAAGACAT | GGATGATATG | AAACAGGAAG | GAGGGGTACA | AGGCAGCTTC | CTGGGAAGTT | 205320 |
| GCCAGGGCAG | TCACAGTTCA | CATTCATTAG | GCTGTGGGCA | CCAAATGCAT | ATGGAAAATC | 205380 |
| TAGCTGACTT | AACTGAACTC | CTGAAGAGGA | ATGAACACCT | CATTTATTGA | GGAGCTACTA | 205440 |
| CCAATTAGAA | TATGTATTTT | ATTTGTTCAA | TAACCCCATG | AGTACAGTAA | CACAATCCTT | 205500 |
| GCTTTACTAA | AGCGGAAGCC | AATTCAAAGA | GGTTCAGTGA | CTTGTCCAAG | CTCAGGGAAA | 205560 |
| ACACTAGGAA | GTGAATATGG | GTCTGACTCC | ATCACTGATT | TCAGGAGCCC | TGCCCTTTCC | 205620 |
| TCCACACCAT | GCCCCCTTGC | TTTCAGAAAA | AAAGGCTTGT | TGACTGAATG | GTTGTATGCA | 205680 |
| CAGTTCAAAG | CAGAAACACA | CGATGACATC | TTTTGAGATA | CTCTAACAGT | GAGAACTTGA | 205740 |
| AAATGAAGTT | AAAAATTAAG | CGGCAAAACC | AAGCCGAGGC | TTTCTGAGAA | AGTGGGGCCA | 205800 |
| AACCTGTTGC | CGTCTGACTG | CCACGTGGCT | CACTATTTAT | CCCTGTAAAA | ATCTGCAAAA | 205860 |
| GTATTTGAAA | GGGAAGAAGG | GACAGAAAAC | TCCCTCCTTT | TCCAAGTTAG | CCTTATAGTC | 205920 |
| TAGGGCTTAA | AATACTGGTT | TAATGGTGAA | GGTAAGTGCT | TTTCTTCTTT | TTGGGTAGAA | 205980 |
| GGATTATTAC | TAACTTACCA | AAGGTCCATT | AAGGGGAGGG | AACAGTTTTA | GGAGAAGTCA | 206040 |
| GAGAAAAGAC | ATTAACAGCA | ACATAAGGAT | CTCCATCTGG | TAATATTGCC | TAATTCCAAA | 206100 |
| ATGAAGAGAC | TCTCTGAAAA | AGATAACTGA | TTCAATGAAG | ACCCTAGGGC | AAGGCTTGAG | 206160 |
| AAGCCACTGG | TACCAATGGA | CACTGTGGAC | AATGGTCATT | TCTCCAAGGA | CGCTGTGAGT | 206220 |
| ATTAAGTGTG | ATGCTGTGAT | TAGTCAGACT | GGGATTGGCT | GTGGAATGAA | ATACTGATCA | 206280 |
| GAAGTACAAA | GATTTGTGTT | TGGGACTGTG | GCTAACGAGT | CTTTTCAGAC | TTCTATATGA | 206340 |
| ATTTGAAATG | GTCTCTCAGG | AAAAGGAGAA | CATGGCCGGG | CCTGGTGGCT | CACGCCTGTA | 206400 |

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| ATCCCAGCAC | TTTGGCAGGC | TGAGGCGGGC | AGATCACTTG | AGGTCAGGAG | TTTGAGACCA | 206460 |
| GCCTGGCCAA | CATGGTGAAA | CCCTGTCTCC | ACTAAAAATA | CAAAAATTAG | CAGGGCGTAG | 206520 |
| CGGCGCGTGC | ACCTATGCGC | ATGCATAGTG | CGCGTGCCAG | CTATTTCAGAA | GGCTGAGGCA | 206580 |
| GGAGAATTGC | TTGAACCCAG | GATGTAGAGG | TTGCAGTAGT | TGAGATCATA | CCACTGCACT | 206640 |
| CCAGCCTAGG | TGACAGAGTA | AGACTCTGTC | TCAAAAAAAT | AATAATAATA | AAAGAAAAGG | 206700 |
| AGAACATGAC | CAAAGTTATG | AATAAGACTG | AAGGCAAGAA | AATTGTACGC | TTGTAGAGAT | 206760 |
| CACCTAGCTT | GTTGCCCTCA | TTGTACAGCT | AAGAAAAGGC | ACCCAGGGAC | ATTGTGGTCA | 206820 |
| GCACCAATTT | CTCAGAAAGA | TAGGCAGATG | ATGAGAGGGC | CCTCAGTTTT | TCTAACACTG | 206880 |
| AAGGAATTGC | TTCTATGTTT | TCTGGTGAAC | TCCTCCCCAC | TCATCTTGAG | GATTCCAGGC | 206940 |
| CAGAAGAATC | CACTTTAAAA | AAGAAACATT | TAAAACCAAT | TTAACAACCA | ATCAAAGGCA | 207000 |
| CTTTTATAGA | AATACATTTT | ATTTGCTGTT | GGCCTGTATT | TATGGATCTG | AGAGGGCTAG | 207060 |
| ACTGCCAATA | TTGTGACTGT | TTATTATTAT | TGCTGTTGCT | AGTATCTAGA | ATATTATACA | 207120 |
| ACATATAACA | CTTTGCAATT | TACGAGGCAT | GTCTCATACT | TTTGTTTTCA | CTCCAAACTG | 207180 |
| CCCAGTGAAG | TAACATTATC | CCAATTCTTC | CTATGAAACA | GTGAAAGCCC | TAAGAGTTTT | 207240 |
| TGAAACTTTA | CCTGGTTTAC | TCAATTTGGG | AATGGCAGAG | CAGAATTCAG | TCCTTGAATA | 207300 |
| TCCTCCCACT | GCAGGTTTAT | GCTCTTTGAT | CTAGGTGTAA | CATTTACTCT | GAGTAAACTA | 207360 |
| GGACTCTGGG | CTAACAGAGA | TGAAGCAAGA | CAGGCTGGAT | ATTAGGAGAA | TCTAAGAGCA | 207420 |
| ATCTAACGAC | CATTATAATA | AAATCATGAG | TTCTAGACTT | AAAAAAAGGG | AAAAACCTGT | 207480 |
| TTTTTTTGCTT | ATGCGTATAC | CATAATATTT | ACATTATTTA | TTTTTTTCTC | AAATTCAACC | 207540 |
| TATACGGTGT | CAAGTAATTT | TTTTTAATAT | AACATTTTCC | TTTAACTTAA | TTTCAATTCA | 207600 |
| TTTTTCTGTG | TCTACTTACA | ACTTTGGCAC | TAGAATTCAC | AATTTTTTTT | TAGAGGTATA | 207660 |
| TCTCCTTAAA | GGGAAGGGTT | CTGACACTGT | TACATGTTCT | CAATTGTTTG | CAAATAGGTT | 207720 |
| AATAATTATT | CCAGTGCTCT | TAAGTACATA | TCAACCATGC | CAGTGTTTCAG | CCTCCATAAT | 207780 |
| TTTATTAGCT | TCTGTGCTTA | TTTTGGAAAA | ACATTTCCCA | TTACCATGAA | AGACCTCAGT | 207840 |
| TTAGGATGGT | TTGGTATGTT | AGCCTGATTT | CTGCATTTCGT | CTCATGCAAA | GGAAAATAGG | 207900 |
| AAACGAAGAA | CTGAAATTAC | CTATTGATAC | AAAATCAAAG | TAGCATTTGA | AACCATAAAA | 207960 |
| CTTAAGTAGG | GCTTTTCATC | CTTTCTCGTT | AGACAGCAAC | AGAGAATGGG | AAGAAAAACT | 208020 |

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| AAAGTGATGG | GTTTGTGATA | CAATTCCAGT | AACATAAAGA | GCAAGGAGAA | GTAGTTTTGT | 208080 |
| TGTGTTTATG | TTTAATATTC | AAAGCTCAAC | CTAAAAGTAT | TTTTCATTAT | CAAACCTCCT | 208140 |
| TCTAGAATAA | ATGATTAAAA | CTTGATTTAA | AATATACAAA | TTCTCCTTTA | TAATACCTCA | 208200 |
| AAATGGAGCT | ACCCCATTTGA | GTTTTAAGCT | TGTGATTAAA | ATATTACGAA | AACAAAGGGG | 208260 |
| AAGTTGTAAT | AGGTAGAACA | AGCAGTAGTC | TAGGCATTAG | GGGATCTGGT | GCTGGCTCTG | 208320 |
| TGCATCATGT | GGTTTCAGGC | AACTTTTCAA | ATTTTCTACG | CAAATTTTCT | TATCAATAAA | 208380 |
| ATAAACAGTT | GGGCCAGAGG | ATCTCTGAGT | CTCTTTCAGC | TTTCAGTGTT | TATAAGATTG | 208440 |
| GAGAAGTTGG | TGGGAAAGCT | TTAAGTGGAG | TGTAAGTAAT | TGCAGCTGCA | TGTACAGTTA | 208500 |
| AAGAGTTGCC | TTCAGCCAAG | CCACGGGATC | TTGCATAAAA | AGTGAAATCA | AATAGAAAAT | 208560 |
| GGTCCAAACT | CTGGGTTTGA | CCACAGATGA | CTTCAGCTAG | GATCTGAGTG | TAGAGCAATG | 208620 |
| AGCTGAACTC | CTGATATCCA | GATGTTAGCA | AGACTTGGAG | GCCTTCTAAG | GCAGAGCAAC | 208680 |
| AACCAGTATC | TGTCCTGGTG | CTGACCTGAT | CTTACTAGCA | ATTGGGCCTC | CATTTGGGTC | 208740 |
| CATTGTACAA | AACAACAACA | ACAACAACAA | TAAAATCTCC | AAACACCCAA | AATTCAAAAT | 208800 |
| TTAGATGGAG | AGATACTATT | CCCAGAATTC | TAGAGATATT | TGGAAAGCAG | AAAACATATC | 208860 |
| TTGCCATGCT | GATGAAGTCC | AATTATTGCT | CTTTTAAATA | CATTTAGCTA | CTTCTGAATA | 208920 |
| TAAAATGAGT | ATCTACTAAT | TATTTACAAA | ATCACTTGGT | AAATATAGAA | AGTCACAAAG | 208980 |
| AATGAAGTGA | TCATCCTGTT | TTGTAACCCA | GAAATAGTCA | TTACTGGCAC | TTGTGTGAAT | 209040 |
| CAGTTTCTAT | TCCTGTATGT | GGATGTGCAC | AGCGTATCCT | GCTTTGTACA | CTAGAGTACT | 209100 |
| AGCATTTTTT | TAATGTAATT | CAATATTGTC | GAAAACATTT | TAAAATAGCT | TCCATCACAA | 209160 |
| TAATCTATCA | AATTGACTTG | CCAGACTCTC | ATTATTAGGT | TAATTTATCT | CTAACATTAT | 209220 |
| GCAGTCATGA | GTAATACTAC | AAAGGATATT | TTTGGACACA | ATTTTTCATC | TATGCCTTTC | 209280 |
| TTTATAATCC | TTCATCCTAA | GGTCACAGAT | TATGAATATC | TTTAAAGTAC | GGACAAGTCT | 209340 |
| TTTAAATTTT | GTGTGCAAAA | ACAGTGCAAA | GCCTTGAATG | ATAAAATAGA | GGTTTGATAT | 209400 |
| ATGTGTTTTT | TTGTTTGTTT | GTTTTGAGAC | GGATTCTGTC | TCTGTCCCCC | AAGCTGTAGT | 209460 |
| GCAGTGGCAC | GATCTTGGCT | CACTGCAACC | TTTGCCTCTT | GGGTTCAAGC | AATTATCCTG | 209520 |
| CCTCAGCCTC | CTTAGTAGCA | GGGTCTACAG | GCATGTGCCA | CCACACCCGG | CTGTTTTTGT | 209580 |
| ATTTTTAGTA | GAGATGGGGT | TTCACCATGT | TGGCCAGGAT | GATCTCGAAC | ACCTGACCTC | 209640 |

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| AAGTGATCCA | CCCACCTCAG | TATCCCAAAG | TGCTGGGATT | ACAGGTGTGA | GCCACTGCAC | 209700 |
| CCGGCCGATA | CATGTGTTTT | TAAAGTCACA | GAAATTTTCA | ATGTCTTGAA | GGATTTTAAG | 209760 |
| CAATTTAAAA | AATAAAGTCA | TAGAAGCTTC | AATTTAGGAA | TGAATGGAAA | ATTGATGATA | 209820 |
| TTCTTAGGAT | ATGGATTTTT | CCTAAAAGAA | ACAAATGTAT | GCATCCCCAA | AGATAATTTG | 209880 |
| ATTAGTATAC | AAATATTAAA | TTAAACATGT | CCATATTTAG | AGCCATGAAT | TCTCTTTGCC | 209940 |
| TGTCACAATA | GCTGGATTTA | TTCACAATTG | TAGTAATTAG | TCCCTGTTCA | TTATAATTTT | 210000 |
| CTAGGTGATA | TGAAGACTTT | GTCAGTCCAA | GCAAGTGTCC | ACATTGTGTG | TAGCAAACAT | 210060 |
| GAGAATAAAC | ATTTTAAACT | TTTAAATGTA | ATACATATTA | GTGTTATGTA | ATGTCATCCT | 210120 |
| TCATGTTTCA | AGGCACATGG | AACATTGTTC | TGGTGGTACA | GAGGGGAGAG | AAACACCATC | 210180 |
| AGAATGAAAG | GAAAGACCGC | TCTGGAACCT | TCCTCCTTAG | CTCTTGAGCT | TAGTTTAATT | 210240 |
| GTCTGTCTT | ATGGTCTGCT | ACAAGCAATA | CCACTCTTCA | CCTTCGCATG | CTTCTCTGTG | 210300 |
| GTTTGATAAA | GTACATGCAA | TTTTTCATTT | AATTCCTCCA | GCTGCACTAA | GAAAGGAGCC | 210360 |
| TTATCTTTAT | TGAACAGATG | AGGAAATGAA | TGATTAGAGA | ATTTAAATGA | CTAGCTCTAG | 210420 |
| GTCACACAGC | TGGAACCTTAC | AGCCAGATTT | CCTTTTAACA | ATCCTGTAAC | CAAAAGCATA | 210480 |
| CCAGTAGTGC | CCCATAAAAT | GTAAGTTATA | GAGCTGTGTT | GGGTCAAAC | TTTTACTGAT | 210540 |
| GCTAAGAGGA | GGCAACATTA | ACAAGGGGAA | ATTATTTGTG | TATTATGTTT | TGGATTATGT | 210600 |
| TCTCTCCATA | GATAAAAGAC | TGTCGTAGTA | AAAGAGATTC | AGGGCACAGG | GAAACTCCAC | 210660 |
| CACAAAGCGT | GGTACCATTT | CCCACAGAAG | CTAAATGGAC | GGGAAGCCTG | CCACCAGGAA | 210720 |
| AGGTAAAGCC | ACTGCTCTTG | TTTGCAGGCT | ATGTTAATAA | GCTGAAGCTT | ATTCCGACAC | 210780 |
| ATTTACACAT | CTCTGCATCA | CACTGACCCT | TCGTAAAGAT | ACTCCCAGTG | TAACATTGGA | 210840 |
| GCCAGCTCCA | GCCCCTGATC | CTGTTGCTTT | TTCTTAGGCC | CCATGAAATC | ATCTGCGAGA | 210900 |
| AATTAAGCCA | AATAAGCAAT | AAATCCTGGG | ATCTAGGGAG | TGGAATAAGT | TTTGGGAAAG | 210960 |
| TCTTTTTTTT | TTTTTTTTTG | ACTGAGTCTT | GCTCTGTCTC | ACAGGCTGGA | GTGCAGTGGT | 211020 |
| GCGATCTCGG | CTCACTGCAA | CCTCTGCCTC | CCGGGTTCAA | GTGATTCTCC | TGCCTCAGCC | 211080 |
| TCCCGAGTAG | CTTGGACTION | AGGCACACAC | CACCATGCCC | AGCTGAATTT | TTGTATTTTT | 211140 |
| AGTAGAGATG | GAGTTTCGCC | GTGTTAGCCA | GGATGGTCTC | GATCTCCTGA | CCTCGTGATC | 211200 |
| CACCGGCCTC | GGCCTCCCAA | AGTGCTGGGA | TTACAGGCAT | GGGCCACCAC | GCCTGGCCCC | 211260 |

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| GGAAAGTCAT | TTTAAACCAA | CCTATGTATG | AATCCCTACT | ATAATATTCT | CACCAAGCGG | 211320 |
| CTGGCTCTTT | CTCCTGAGCT | TGGAAACCTC | CAGTAAAATG | GAAATAATTA | TTTCCCAGAC | 211380 |
| CACCACTCTT | ATCTGTGAGC | TTTTTTGGCC | ATTAAAAATT | ATTTCTTCCA | TTATATTTTT | 211440 |
| ATCTGTGTCT | TCACAGGTTT | TCTCTTTCTT | TCACTTTAGT | GCTTTTCTTC | AAATAAGCAG | 211500 |
| GAAAAATCCA | ATCTATCATG | CACATGGGAA | CCCTTTCAAT | ATTGGTCTGT | GGTTGTTCCA | 211560 |
| TTTTATGGGG | ATGCTTTTAA | AGAAAAAATT | TGTCCTTTCA | ATATATTGAA | TATCTTCCAG | 211620 |
| CACCACATCA | CCTGCAAGCT | TTGTAAAAAT | AGTTCTACAT | ATTAATTTTT | TTTTTTTTTG | 211680 |
| AGATTGAGTC | TCATTCTGTC | ACCCAGGCTG | GAGTACAGTG | ACATGATCTT | GGCTCATTGC | 211740 |
| AACCTCTGCC | TCCTGGGTTC | AAGTGATTCT | CCTGACTCAG | CCTCCCGAGT | AGCTGGGATT | 211800 |
| ACAGGCATGC | ATCACCATGC | CTGGGTAATT | TTTGTATTTT | TAGTAGAGAT | GGGGTTTCAC | 211860 |
| CATGTTGACC | AGGCTGGTCT | CAAACCTCTG | ACCTCAAGTG | ATCCACCTGC | CTTAGCCTCC | 211920 |
| CAAAATGCTG | GGACTACAGG | CGTGAGCCAC | TGCACCCAC | GTAGTTTTTT | TTTTTTTTTA | 211980 |
| AGTTGAACAT | ATGTGAAGGC | AGGACCTAGT | GACACATAGC | AATAACATTT | CCAAGTAGAC | 212040 |
| ATTACACTAG | GGAATTAGTC | AAAGTGCTCA | TTTAAAGTAC | CATCTCTCAA | ATGTATTAAA | 212100 |
| AGAGAATCCT | TGGATGTGCA | ATACCTTAAT | TCAAAGGCAG | CTCGTTATGT | ATAAACTCTC | 212160 |
| AAGCTTTGTG | ATAAACAAAT | GTGCATAACA | GATGGGACTA | TTGACTTACA | GCCCAGGGAA | 212220 |
| TTTTATTGAC | GCTGAGAAGG | TTATGTGACT | GGCTCTGCCA | CTGTCATCCC | CATTCACTTC | 212280 |
| ATTTTGGAGC | AATATGACAT | AAATGCCTTA | CATGTGGGTT | TTCTCTATTT | ATCATGTGTT | 212340 |
| TCCTATCCCC | TTGAAAGATG | GCCATATTTG | CTTTACTTGG | TTATAAGATC | CCATATTCGC | 212400 |
| TGTCTTGAAG | CCAACCAAAT | AATTTGACAA | AGTGGGTTTG | TAGTGCTGGC | TATTTTGGTG | 212460 |
| AAAAAAAGAC | AATGAGACTT | CATGTGTCAT | CCAAAGTTCT | ATCAGATCGA | GCTGTGAGAG | 212520 |
| AAAGGAAAAG | AAAGGGGTCT | CAGTCAGGAT | GCTCACTGCA | TACATCTGTG | TTGTTGTCTA | 212580 |
| GGTCCAGATT | TCTGTTCAAT | ACGCTATGGG | CTGGCTCTTA | TCATGCACTT | CTCAAACCTC | 212640 |
| ACCATGATAA | CGCAGCGTGT | GAGTCTGAGC | ATTGCGATCA | TCGCCATGGT | GAACACCACT | 212700 |
| CAGCAGCAAG | GTCTATCTAA | TGCCTCCACT | GAGGGGCCTG | TTGCAGATGC | CTTCAATAAC | 212760 |
| TCCAGCATAT | CCATCAAGGA | ATTTGATACA | AAGGTAAGTA | TGATGGAAAA | TAGGGCTCTT | 212820 |
| TGTTGAGAGA | AAAAACTTTG | AAAGGAAGGC | ATAGATCTTG | ATTCTGTGGA | GTATGGAAGT | 212880 |

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| ATACATTTCC | AATGACAAAT | TAAAACTGAC | TGGAActATT | TTTCTTTGAG | ACATTGCTTA | 212940 |
| CTTCAATAAT | AAAAATAAGA | TTTCATTGAG | GTTATTATGA | TTATAAGGTG | GGGGAActGT | 213000 |
| AGAGTTAAAT | GTGAAAAATT | TAAAAATGGA | ACAGTTTATG | TGATGTCTTC | AATGAAAAAC | 213060 |
| TAGGTATTAC | CTGGGCACAT | TCTTATAGGT | TACTCAATCC | TATTCAGTTC | TCTGCCTGTT | 213120 |
| TTATTGTTTC | TGAGCAATTT | TATATCCCTG | TAAATTCTAT | ATAACCAATA | GAAATGCAAA | 213180 |
| CGATTCTTGT | CCATAGCTTT | GCAAATAAAT | TTTGCCAAGA | GAAAAATCAG | TTAAAACTTT | 213240 |
| TCTCCACTCA | CCTCCCAGTT | GAATTAGCCA | ATTTTGCTGT | TTGTTTGTTT | GTTTGTTTTT | 213300 |
| TGAGATAGAG | TCTTCCTCTG | TCATTCAGGC | TGGAGTGCAG | TGGCATGATC | TCAGCTCACT | 213360 |
| GCAGCCTCCG | CCTCCCGGGT | TCAAGAGATT | TTCTGTCTC | AGCCTCCCAA | GTAGCTGGGA | 213420 |
| GTAAGGGGGC | ATGCCACCGC | GGCTGGCTAA | TTTTTGATT | TTTAGTAGAG | ACAGGGTTTC | 213480 |
| ACTAGGCTGG | TCTCGAACTC | CTGACCTCAG | GTGATCCACC | CGCCTCGGCC | TCCCAAAGTG | 213540 |
| TTGGGATTAC | AGGTGTGAGC | CACTGTGCCA | GGCTCTGCTG | TATATTTAAA | GTCTATTTCA | 213600 |
| GCATTGCTTC | CTGCTTGTTG | TATGCGTGAT | TCTTTGAGTT | TTCTTTTGAA | CCAGTTATAA | 213660 |
| CATCTTACTT | ACTTCCTCCA | TTAATCAATG | AGTTAAATAA | AATCTTTGTT | GTATGTTTAT | 213720 |
| TTTACATTTA | TATGAAAACC | ATGAATTTAC | CCAATTAAAA | AAATTATCCT | TTAAATTATC | 213780 |
| TTGTACTGTA | CATTTCCCAT | GTCATCCCTA | TAATTCATGA | TTAATGATTT | TATTACATTG | 213840 |
| GACCTAGCTT | ATTTACAATG | AGTACATAAA | TTTATTGTCT | CCAGTCTTTC | CTCCATTATC | 213900 |
| CCGTCTACAT | ATCCACACTG | AGTAGATTCA | CTACTCAGGA | ATCTTGGACA | CCTTCAAGTT | 213960 |
| GCCAAACATG | CAGTGTTTAC | TGGACATGCT | GTGTTCTTTC | AGAATTTGGG | CCTGCTTCTC | 214020 |
| AGCACACTCA | CATCTGCTAT | CAATGACCCA | TGGAAAGTTT | TTGCCCTGAG | CAAGCCAGAG | 214080 |
| TCCCTGTTAG | TTTCTTCCAA | ATGCTACAAG | TTCACTTTTG | CTATTTTTTC | CGATGAGATA | 214140 |
| AAATTTTCCT | TTTTGACTTT | CTACAAATCA | TAGTCATTTT | TCAAGGGATA | GTTCAAGTAT | 214200 |
| TGCTTCCTTT | CTGGGACCTT | CCCAAATTAT | TATTTTCTCC | TCTCAAAGTC | TCTGTTTTAT | 214260 |
| TTATGTTTAT | CCTCAAATCT | TGATTCTCAC | ATGAATCATA | TACCTTGTAT | TATTTATAGT | 214320 |
| TTTTTTGAGT | AGGTAAAATA | TTTCATATTT | TATATTCTTT | GGCTCTCTAC | TTTATAGCAT | 214380 |
| GATGCCAGAT | ATTTAGGGGC | CTTACTGCAT | TTATTTTTTA | TTTTATTTTA | AAATCTATTT | 214440 |
| TATTTTTTAT | TTATTTATTT | TAAAATCTAT | TTATTTTTAG | GTAAATATTC | AGGTAATATA | 214500 |

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| ATTTATGTAA | TTATTTAGGA | ATTTTAGGTA | GTTATTTTAA | AATAATTCAA | ATTATTTATT | 214560 |
| GAGTTATATC | AGAAGAATGT | GATCTTATTC | ATTTGTAATA | TGTGTTTTAG | GAACTCAGTT | 214620 |
| CAGCCAGGGC | AGACCATAAT | TCCCAAACCT | GACTTTTCTT | TTTAATTAGG | CACTGATTTT | 214680 |
| GGTTAAGAGT | TCAGTAAAGT | TTTGTGTGTG | TGTTTTAAAA | AATTCTTTGA | TATAAGAGTC | 214740 |
| AAGATGTTAC | TCAACTTTTA | CTAGAAGCAA | AATAGAGGAA | GTGCTTTCAC | AGATGAAATA | 214800 |
| TCTCTCAATG | TTTTCTTCCA | TTTACTTCTT | CCTATTATTC | ATCTATATAA | TCATTTTCTT | 214860 |
| TACCTCTTTT | CTTCATTTCT | TCTGTTTTTC | TCTCCTACTA | AGACAAGCAA | ATTAGGGGTA | 214920 |
| TAATTGGTTA | TTTGGGAAGG | TAGGAAGAAT | ACAGAGAGAA | ACAAAAATCA | ATATTTTATA | 214980 |
| CTAGGGTCTC | ACTAACCTCA | AGCAACTCTG | ACTGTAAAGT | AGATTTTCAT | AATAGGACTT | 215040 |
| CTTGACAAAG | AGTTTTCCTA | TTTTTCCCCC | AGGCCTCTGT | GTATCAATGG | AGCCCAGAAA | 215100 |
| CTCAGGGTAT | CATCTTTAGC | TCCATCAACT | ATGGGATAAT | ACTGACTCTG | ATCCCAAGTG | 215160 |
| GATATTTAGC | AGGGATATTT | GGAGCAAAAA | AAATGCTTGG | TGCTGGTTTG | CTGATCTCTT | 215220 |
| CCCTTCTCAC | CCTCTTTACA | CCACTGGCTG | CTGACTTCGG | AGTGATTTTG | GTCATCATGG | 215280 |
| TTCGGACAGT | CCAGGGCATG | GCCCAGGTAT | CCAGATACTT | TCTCATTCTT | GGTGGGATCC | 215340 |
| AGATTTCTGA | ATTCTACAAA | ATATCAAAGG | TCTTAATGAT | TTTCATTTCA | GGGAATGGCA | 215400 |
| TGGACAGGTC | AGTTTACTAT | TTGGGCAAAG | TGGGCTCCTC | CACTTGAACG | AAGCAAGCTC | 215460 |
| ACCACCATTG | CAGGATCAGG | TAAGTGTGCA | CAGATGGGTC | ATAGCTTTGT | CATCTGTTCC | 215520 |
| ATCCCACTGT | GTCTTATCTT | CTATGAATCA | AATGGTTTGG | GGAAGAGAGA | GAAAAAGTAC | 215580 |
| TGCTGAAAAA | TTCAACAATA | TAAGACACTT | GCATCACAAA | TAGGAAAGAT | GCATCTGTGC | 215640 |
| AGTAAAGACA | TTGAAGCTTA | GAAGTAGAAA | AAACCATTGT | GAGCTAGGTT | TCAGCTCAGA | 215700 |
| AAAGCCTTAG | TAGTCAGAAA | AGCCTTAGTA | GTCAGAAAAG | CCTTGTCGGA | AAAAGTTTAA | 215760 |
| ACCTTTAAGA | ATTGCACACA | TGGAAAAAGA | TCAAGTAAGC | TATATATACA | CCATCTTAGC | 215820 |
| AATGATTTTG | AAGTGAGAAT | TAAGGCTACC | ACAGCTCCAG | GTGGTAAGGA | GAGAAATCAG | 215880 |
| GCTGGAAGAG | TTTGAAGTTT | CTGTATTATT | CTAAGCTCTT | TACTATTCTA | TTATGAGCTC | 215940 |
| ATTAATTCTC | ACAACAACCC | TCTCATATAA | GTACCATTTT | AAATTCTTAT | TTTACAGAGA | 216000 |
| AGGGAGTTAA | GGAAGGTGGA | GATTAAGAAA | ATTGCCCAAA | TACAAATAGC | CAGCAGGTGG | 216060 |
| TAGGTCTGAG | ATTTAAGCCC | ATGCAGATTT | TAGCCCCAGA | GCAGACATTC | TCAATCACTA | 216120 |

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| TGCTAGACTG | CCTTTCCATG | GTATGTGATC | CTACTCAGGC | CTCTACAGCT | TTATCATTGC | 216180 |
| TGTTCTCCCC | AGCCTGTCGT | GCTGAGAGTA | TATACTCGAA | GAGCAGAACT | AAAATTCCAT | 216240 |
| CCAGCTTCTC | ACTCCTAGGT | CCACTACACA | GCTGCATCCT | GCAGACTTTT | ACCTCAAGCA | 216300 |
| ACCCTCCTGC | GTTCTTGCTT | CCTTCCATCA | TAGTTGTAAC | CATCTCCTCT | ATTTGCAAAT | 216360 |
| ACTATCTGCT | GATCTCTCTC | TTCTAGACTG | GTTTCTTTCA | ACCTTCTTCC | CACCAAAACC | 216420 |
| AAGTTAGCTT | GCTAAAATAA | AGATGGCGCA | TTTTTACTCA | CCCGCTTGAG | AATTTTCAAT | 216480 |
| GTGTTCCCTC | ATGCTTACAG | AGTAAAGCCT | GACCTCTTTA | TTGCATGAAT | ACAAAAGTTC | 216540 |
| TTAGCCATCT | GGCCCCAACC | TTGTTCCACT | CAACTCCCCT | GTGCAAGCAT | GGCTCCAGTG | 216600 |
| GCACTGGACA | TTGGCTGCTC | TCCACATAGA | TCTGCACTGC | ACTTCCCTCT | GGCTCTGCTC | 216660 |
| CCGTTAGTTT | ATATGCCTGG | AAAGTTCTTT | GCCCCTGTTT | CTTGTGCCAA | AATTCCATCT | 216720 |
| ATCCTATTGC | ATAGCTTATG | TAAAAACTTC | CTAAACCTTT | TTTTTTTTTT | TTTTTTTTTT | 216780 |
| TTTTTTTTTT | TTTTTTGAGA | CGGTGTCTCA | CTCTTCCGCC | CAGGCCGGAC | TGCAGTAGCG | 216840 |
| CTATCTCGGC | TCACTGCAAG | CTCCGCCTCC | CGGGTTCACG | CCATTTTCCT | GCCTCAGCCT | 216900 |
| CCCGAGTAGC | TGGGACTACA | GGCGCCTGCC | ACCATGACCG | GCTAATTTTT | TGTATTTTTA | 216960 |
| GTAGAGACGG | GGTTTCAAGC | CAGGATGGTC | TCAATCTCCT | GACCTCGTGA | TCCGCCCCGC | 217020 |
| TCGGCCTCCC | AAAGTGCTGG | GATTACAGGC | GTGAGCCACC | GTGCCCCGCC | AAAACCTCCT | 217080 |
| AAATCTTATA | ATTATTATCA | ATTTATCCTC | AGATATACTT | CCACGTACAT | TGTAGTTTTA | 217140 |
| TTATATTTAT | ATTTTACATC | TTTTTTTTTCA | AATTGCAGTT | TGGGACCCAT | TAGTGAGTCA | 217200 |
| TAAAATCCAT | TGAGCGGGTT | AAAATCATT | TTTTAAAAA | TGAGTAGAAT | AGAATAGAAA | 217260 |
| TTGTTGGAGT | GCATTGGACA | TGGTAAAGTT | AAATATCGAT | TCATGAAACC | ATCGTTTGAG | 217320 |
| GCATATGTGT | GTGGTTGTAT | GTACAAGTGT | TTATGCATAT | TGGTGTGTGT | GTTATGTTAC | 217380 |
| CCTGTAAAAT | GCATTTCTTA | CTATAGGTCT | CTGTGAAATA | TGTGTCTTGT | TGTTTTTTAA | 217440 |
| TGTAGACTTC | CAAAGCCTAC | ATGGCATTTC | ACTAGTGACA | ATCAATTTTA | TTCACATTTT | 217500 |
| TCTCTCCAAT | TGGACCAGAA | GCTCTTTGAG | GGCAGGGGCT | GTATCTTACC | GATTTTTTGA | 217560 |
| AGTCTTTCAT | TTCCTGCCCC | TAGCCTCATA | TTAGATCATG | CAAGAATGCA | ACTGTAATCA | 217620 |
| CAAGAAAATG | CTAATGGGCT | GTGATAGCAG | AGAGTTACTG | TGACAAACTA | AGGGATTTAG | 217680 |
| ATTTGGTCAC | ATTGGTGTTG | AGGAGCCATT | GAAGAATCAG | AGAGTGTGTT | ACTATTATTT | 217740 |

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| GTTAATTTTA | ATTATATCAT | ATTACTTTAC | TGGGGAAAAT | CTGTGAGCTA | TTTtagAAAT | 217800 |
| AAATACTCTC | ATTGCCCAAT | AATTCTAAGT | CTGCCACCTC | ACTGTTGGGA | CATTGTTTAG | 217860 |
| GGAGGCCACG | AAGTCTCAGC | CTTTGATATT | TTCATAAGTG | TTTTTCTCCC | TTTTTCCTTT | 217920 |
| AGGGTCAGCA | TTTGGATCCT | TCATCATCCT | CTGTGTGGGG | GGACTAATCT | CACAGGCCTT | 217980 |
| GAGCTGGCCT | TTTATCTTCT | ACATCTTTGG | TGAGTCACTT | TCTCTTAAAT | CCTAATGCCT | 218040 |
| CCATTTCTTG | AGCATCCATT | TTGGCACCTA | CACCACCCAC | ATTCTTCCTA | TATGAAAGAA | 218100 |
| AATGTCCTTT | ATCAAATGGA | AGATGATAAA | AAATGTCAAC | GGTTGGTATC | ATTTTTAATC | 218160 |
| TAGTCACACA | ACCTGATTAA | CACCTTCCTG | GTGGTTCTGG | GAAGCCACAC | GCAAAAGGTA | 218220 |
| GAGGAGTTGA | CTATTCACAT | GGCACCCACC | GACTTGTGAT | GCAGTCTTGT | CCTTCCATAT | 218280 |
| CAAGCACCTT | CTGCAGAATC | TCTACCACCA | CATCTGAAGT | GCCTGCTATA | TGCAGTTAAG | 218340 |
| ATGTCAAAGA | TAGTGAAGTA | CATTTTCAAT | GTGTCTTCAT | ATTTATTAT | AATTATTATT | 218400 |
| TCTGTCCAAG | ATGCCTTTCA | CCTGTTCTCT | ACCAAGTTAA | TCTTGCAAAG | TTCAATTCAA | 218460 |
| ATGTTCCCTT | CCCCATGGGC | CCTTCCAGGG | CTTACCCTGT | CAGATTCTGG | CATTCTCTCC | 218520 |
| TTTATGATAT | TTCCTCTCTA | GGTTATGTTG | GTGTGTAATT | ATTTATTTCT | CCTTTTCTTT | 218580 |
| CCACTAGACT | GTGAAATGCT | TGAGGCAAGG | AATCCATTCT | ATGTTTTTCAT | CACTTGGGTG | 218640 |
| TCATCATGGT | GCCTGATTTT | TAGCTTTAAA | ATAAAAGAAT | CAGTGAATCC | AGTAATTAGA | 218700 |
| GGGGATTTAA | AGAAAAC TAG | TCCTCAGAAT | CTTTTAACAT | AGAATGTTCT | TCAAATAAGG | 218760 |
| AATTCCAATA | ATAAGACAAT | TTTCTACACT | TGATTTTGTT | TTTATAGCCA | AATGGTGTCA | 218820 |
| TTAAATATAG | TCCTGGCCTG | AATGGCTTTC | TCATTAATGA | TGCTAATTAT | TTTGGTTTGT | 218880 |
| ACATGTTAAC | CAGGTATTGT | ACAAAAATAT | TTCTTTTGGG | AATCCATAAT | GGATGTATGG | 218940 |
| CTTGAATACA | AATAATACTG | TCTCTTGTA | GTGCATTGGA | AATTTTTCCC | TGCCACATGA | 219000 |
| TTTCATGGAA | GGTTGTTTCG | TGTATGTATG | ACTGCAAACC | TGACTATTCA | GATCTTCCGC | 219060 |
| AACAAGACAA | CTTATGTGTG | CATTAAGAAG | TTGCTGCCTA | AAATACATAA | CACTGTAATC | 219120 |
| ATTGGAGACT | TTAAAGTAAT | TAATCAGCTA | TGCAATGCCA | CGCTCCTGTT | ATCTCCAGAG | 219180 |
| GGCTCTGACA | TTGACAAATG | GTGGCTTTCT | ATTTGAGACG | TAATATCTAA | AAAGCTTTAA | 219240 |
| CAGGTTTGTA | GAAGGATTGA | AAGAAAGAAT | GGGAACATTT | AGGTCCTTAT | GGTAGAATAA | 219300 |
| GCATTAATTG | ATTAGTGTGT | AGAAGGGAGA | GGCATGCCAC | TTCAGAGGAA | ACTTCCTTCC | 219360 |

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|-------------|------------|------------|------------|------------|------------|--------|
| CCCAGTAAAC | AAATCTACCT | AAAAACTAAT | TTTATCCCTT | CTTCCCAGGT | AGCACTGGCT | 219420 |
| GTGTCTGCTG | TCTCCTATGG | TTCACAGTGA | TTTATGATGA | CCCCATGCAT | CACCCGTGCA | 219480 |
| TAAGTGTTAG | GGAAAAGGAG | CACATCCTGT | CCTCACTGGC | TCAACAGGTA | CAGTGCACAC | 219540 |
| CTTGTAACCTG | TGGCCCATGC | AGAGGTCTCT | AGGGCAGGGT | GTGGATCTCC | TCTGAGAGGC | 219600 |
| ACCATCTTGG | CTGCTCTAAT | ACTCATGCTG | ATTAGATCTT | TCTTTTCAGC | CCAGTTCTCC | 219660 |
| TGGACGAGCT | GTCCCCATAA | AGGCGATGGT | CACATGCCTA | CCACTTTGGG | CCATTTTCCT | 219720 |
| GGGTTTTTTC | AGCCATTTCT | GGTTATGCAC | CATCATCCTA | ACATACCTAC | CAACGTATAT | 219780 |
| CAGTACTCTG | CTCCATGTTA | ACATCAGAGA | TGTGAGTTTA | CTTCCTATAC | TTCTACGAAA | 219840 |
| ATGATAATGG | TAATAAGGAG | AAACAGTTCT | GTGTTACCTA | TTACATTCTG | GCTTTACATA | 219900 |
| TAACCATTAA | TTTAACCTTC | ACAATGACCT | TGAGAGAGGC | ATTGTTATAA | TTCCCTTTTC | 219960 |
| ACAGATGTGG | AAACAGGACA | CTTAGAGGTG | AGATAACTTG | CCCCAGGTTG | CACAATACTA | 220020 |
| AGTGATAGAG | CTGCTGCAGC | ATCCATATTC | TTAACCACTA | TGCTATACTA | CCACACCAGC | 220080 |
| TGATTCCAAA | GCTTCTTTTA | GAAATAATAT | TGCTGGGCCA | GGCATGGTGG | CTCATGCCTG | 220140 |
| TAATTCCAGC | ACTTTGGGAG | GCCGAGGCAG | GCAGATCATG | AGGTCAGGAA | TGCAAGACCA | 220200 |
| GCCTGACCAA | TATGGTTTAC | TAAATATCAT | CTACTAAAAA | TACAAAAATT | AGCCAGGTGT | 220260 |
| GGTGGCAGGC | ACCTGTAATC | CCAGCTATTC | AGGAGGCTGA | GACAGGAGAA | TCGCTTGAAC | 220320 |
| CCAGGAGGTG | GAGGTTGCAT | TGAGCCAAGA | TCATGCCACT | GCACTCCAGC | CTGGGCGACA | 220380 |
| GAGTAAGACT | CCGTTTCAAA | AACAAAAAAC | CCAAGAAATT | AATATTGCTT | TTATCTGGAG | 220440 |
| CCCAGAGTGA | TGCAGCTTCT | GGCCCTCTTA | TCTGAGACAG | TGTTCTTTTA | GTGTGAAAAA | 220500 |
| GGATGCTAAT | TTTCCCCCAA | ACAACCCACA | GTATCATGGG | GGTAAGTTAA | TGGCTGGTCT | 220560 |
| GTGTAAGTGA | CAAATTTTGG | TGCTAACGTA | TCTCTATAAC | TACTCTGTAT | AAACTTCCTT | 220620 |
| CCTTCAGAGT | GGAGTTCTGT | CCTCCCTGCC | TTTTATTGCT | GCTGCAAGCT | GTACAATTTT | 220680 |
| AGGAGGTCAG | CTGGCAGATT | TCCTTTTGTC | CAGGAATCTT | CTCAGATTGA | TCACTGTGCG | 220740 |
| AAAGCTCTTT | TCATCTCTTG | GTAAGGATAA | GCGTGTGGGC | CCATTTAACC | AATCCCTTTT | 220800 |
| CTGCACATGG | TCTCAGAGGG | TTCCCTGACA | GCATGTCCTC | ATTGCCCAGG | GCTCCTCCTT | 220860 |
| CCATCAATAT | GTGCTGTGGC | CCTGCCCTTT | GTGGCCTCCA | GTTACGTGAT | AACCATTATT | 220920 |
| TTGCTGATAC | TTATTCCTGG | GACCAGTAAC | CTATGTGACT | CAGGGTTTAT | CATCAACACC | 220980 |

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| TTAGATATCG | CCCCCAGGTA | AGAGCTCTAC | CTGTTTTTTC | CCCTCCTCCA | GACCCCTCCA | 221040 |
| GAGGTGTTAG | ACCTCAGTGG | TCGCCGTGAA | ACTCTTTAAT | GTTACTGACA | TTGCACTAAT | 221100 |
| GGCAGAATGA | CAAATAACTA | CAAATATCTG | TCTGTGGCCA | TTTTTAGAAC | AACAAATGTG | 221160 |
| GCATTTTTAG | AACAACAATT | TCCAATCTTG | GCCAGTAATC | ATTTTGACAA | AAACCTTCCC | 221220 |
| AAGCTTCCCT | AACAGAGATT | GAAGTGTGTA | TGCTGGGAAA | AGGCCCACAC | ACAGGTGATT | 221280 |
| TGGAAAAGTT | TCCATGGTGT | TGTTTCATATT | AGCTACCACA | TATATATATA | TATATATATA | 221340 |
| TATATATATA | TATATATATA | TATATATATA | TACAGTCACA | ATAAGCCAGC | TCCTGTGCCA | 221400 |
| AGACTTGCCA | TATATCAACA | CATCTAATCC | TCACAGTTAT | ATTAGGTAGG | CCCTATTGTT | 221460 |
| ATCCCCATTT | TATAAGGGAG | AAGGCTGAGG | CACAAGGAGG | TTAAATGGTG | TGACTATGGT | 221520 |
| CACATAAAGG | CAGAGCCAGG | ATTTGGACTG | GGGGAGTCTG | GCTTTGGAGT | CTGTGTCCTG | 221580 |
| CCCGTTGCAC | AAACTGGCTT | CTACACTGAG | CAGCCAGGGT | AAAGAAACGT | GGTTCCCAGA | 221640 |
| GAGACTGCAT | TGCTCCCTGG | TTATTGACTT | GGTAGATTGG | TAATTTTCAGG | TTTGGCAAAT | 221700 |
| AGACATTGCC | CTGAATGTCT | TTAGGTGAAT | GAAAACTGC | ATTAAGCAAA | ATGACTTTGC | 221760 |
| CATTAGAGCT | GAATTGCATT | AAAGTTGAGT | TGCTGCAGAA | GCTGTAGGTG | GCTTTCTATA | 221820 |
| TAAAATCATT | TATAAAATCA | TCTTCCCATA | GATATGCAAG | TTTCCTCATG | GGAATCTCAA | 221880 |
| GGGGATTG | GCTCATCGCA | GGAATCATCT | CTTCCACTGC | CACTGGATTG | CTCATCAGTC | 221940 |
| AGGTTGGGTC | AGTTTATTGA | ACATCTTCAA | GTGGCAGGTA | TTGTTTTAGG | TGTTGGAGAT | 222000 |
| ACACACGGTG | CTCTAAAGAT | CTGGATGGCA | ACACAATTAC | TCTATTTACA | TGAGCCTCTA | 222060 |
| AATCAGACTC | TGGTAGGTCA | GATTTCCCAG | AGGAAGAAAA | ATATAAGCTT | ATTTTCTCAA | 222120 |
| GATGAATAGA | TGTTAGATTG | ATTAAAATGA | GCTGTTCCGG | TGCAGAAGAC | AGCACGTATG | 222180 |
| ACTTCCTAGA | GGTACATGAG | CATGAAACAG | TTCTTAGTTA | TGACCAGAAT | GAAAGACACA | 222240 |
| TGTCAAGGAA | TAGCAAGAGA | CGAAGACAGA | GGGGCAAAAG | AAGATCATGA | AGAATATGTT | 222300 |
| CAGACTAATC | CAATTTTTAA | AAAATCACAA | AAGGGAAACA | AAGTGTCTTA | GGCCAGTTTA | 222360 |
| AAGATAATTT | AATGTCTGGA | AACAGATCGG | CTGTGAGACA | TTGCAAGGAG | GCTTGCTCGG | 222420 |
| TGTTTGGA | TGCAGGCTCA | TGAGGAAGAT | GAAAAGACAG | ACCCAGGCAG | GGATGGAAGG | 222480 |
| ACTGACTAGA | ACCAACTTAC | AAAGAGAAGT | TTTGTTTTTA | CTACATTTCT | ATGTGATCAA | 222540 |
| GTTCCCAGGT | TAATATTTGA | CTAAACTGCT | AGGAATCCAC | TGTGACTATA | ATGCTGGA | 222600 |

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|------------|------------|-------------|------------|-------------|-------------|--------|
| TGACTTAGTA | GGGCTTTCTG | AGGAGGGTCA | CACAGAAGAC | CAAAGAGAAC | TCATGTTGAA | 222660 |
| TTGAGATGGG | TTATAGTGAT | AGTTGTCAAC | AGCCAATACA | GAAACAAAAA | AAAACAAAAC | 222720 |
| AAACAGCAAC | AACAACAACA | ACAAAAAAA | AAAACAGAGA | AGACACAAAC | ACAATGCCAC | 222780 |
| AATGCCATTT | TAGGCATAAT | TTTAAATGAG | TAATATTATA | TGTTGAAATC | CAAATTTTCA | 222840 |
| GAAAAACATT | AGTGTATTTT | ATTTTGTGTT | AAAGAAATAA | CCATCTCAAC | TCAGAACCCC | 222900 |
| ATGTGCATTT | TGGCCATTTT | GTTTCCAATA | GTTTCATAAA | CTTCTTAAG | TAACTACTGC | 222960 |
| ACATTGTTCC | TTATATTCCT | TGTGATCAAC | ATTGCAATAC | ACAACGGGA | GGGCTACTAG | 223020 |
| AACTGGTGTA | GAAGGAACTT | GTGAGATTGA | TCATTTTCTC | TGTTTTTTTAC | ATCTAGGATT | 223080 |
| TTGAGTCTGG | TTGGAGGAAT | GTCTTTTTTCC | TGTCTGCTGC | AGTCAACATG | TTTGGCCTGG | 223140 |
| TCTTTTACCT | CACGTTTGGA | CAAGCAGAAC | TTCAAGACTG | GGCCAAAGAG | AGGACCCCTTA | 223200 |
| CCCGCCTCTG | AGGACATAAA | GTTACAAACT | TAAATGTGGT | ACTGAGCATG | AACTTTTTTAA | 223260 |
| ACATTTTTTA | CTTCTCTCCA | TATTCCTGAC | CATAGACTCA | GCAGTTCTTA | ACTCTGGCTG | 223320 |
| TGTGTTAGTC | TTCCCTGGGG | AGCCTTTATA | AGACACTGAT | ACTTGGGACC | CACTCCAGAG | 223380 |
| ATTCTGAATG | AATTGGTCTG | GGGTGGAACC | CAGATACTAC | TAATTTTTTAG | ATACTCCTTA | 223440 |
| GAGGTTTCTA | GCATGCGCCC | GGGGTTGACA | ACAGCTGGAC | AAACTTGAAA | AGTCAATTCA | 223500 |
| TGTGGCCTTT | GAATTTTCCT | CATTGGAAAG | TACTAAATAA | ATAAAAATTC | ATGTGAAAAT | 223560 |
| GATCACTGAT | AAATATCTTC | ATGGTGGGGC | AGGTATTGG | ATGCAGAGAA | GATCTGCTCG | 223620 |
| GAATTGTAGC | CATATGTTAC | AGATCTCAGC | ACCGATCAGA | ACTGTAAAGC | TATAATCCCC | 223680 |
| AGAATTAAAG | TTTTTATTAT | TTTTTATACA | TTGTAAAACA | TAGACGTTTA | TTTATGTGAT | 223740 |
| TAAATTCTAT | TAAAATTTAC | ATGCTAAAAT | AAAATAGACC | ATTTTCAAAT | TATTTAGATC | 223800 |
| CAGATATTTT | CATCAGATTA | AACAGATATT | TATTTATCCT | AGCCCAATTG | CAAGAGATTA | 223860 |
| ATGATGAGAA | AATGACCAAT | ACAAGATTAA | ATAAATGAGG | TTAACTTAGA | AATCAAGGAC | 223920 |
| AGAGAAGATA | GAAGTGGAAA | GCTTGTATTG | TGAGAAGAAT | GAATGTGAAG | GAAGGCAATG | 223980 |
| TAGACACTTC | CAGAAGGGAT | AGCAATATAG | TTTAGACCAT | ATAATGAAAA | TTGGAGAGAG | 224040 |
| ATGACAGAGA | CACTTTCAAG | TGAAATGACA | ATTTATATGG | GGGAGAAAAA | TATTGAAGAC | 224100 |
| ATAACAAGAT | GAGAAAAGGC | ATAGAAATGT | ATCACATACA | AGGCATAGAA | GTGTATCACA | 224160 |
| TACAAGAGAA | GTTCCTTTTG | AGCGTAGAAA | AAGATAATTT | AACCTTCTTC | ATATTTTTCT | 224220 |

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| TACTTTCCCA | AGATACTCAG | ATAGGCAGCG | TCAACTCTAA | CAGGAATTAA | TTTGGCTCCT | 224280 |
| AACACTTAAG | ACATATCCTT | TAGTTTGTCT | CCTCACACAG | AACTGATTCT | GGTTTTGCCA | 224340 |
| CAACATGTCT | AGAGAAGAAG | TTCCCACCAT | ATTTTAAATC | CTATTAAAAA | ACTGCTTGGA | 224400 |
| CAAGAACCTT | GGGCTAATTC | AGCAGATGAA | GAGAATCTCC | TAATGCAAAT | CAATGGGTAT | 224460 |
| TTTTTGAGCA | GTTTTTCAGA | AAAACAGAGT | GTCAGGCCCT | GAGGGTGGTA | CTAAGATGAG | 224520 |
| AACATTGATT | TTGCCTTCAT | GATATTGACA | ACACAAAGAG | GAAAGGGGGT | TTGCAGAAAA | 224580 |
| CTAAAAGAAG | AAGTAGAAGA | AAAAAGAAAG | ACATAGTATA | ATAGGTAGTC | AAATTATGTA | 224640 |
| CAGAAAAAAG | AGGAAAAAAA | ACCAAAAAAG | GGTGGGGGAC | AGACAACCCA | ACTAAAAAAT | 224700 |
| GGGCCAATGA | CTTGAACAGG | GACTTCATAA | AAGAGAAAAT | GTAAGTGGCT | CCTTAACATA | 224760 |
| TAAAAAGATG | TTCAACTTCA | TTAGTCATTA | CAGAAATGAA | AATCAAAACT | ACAATGAAAT | 224820 |
| ACCACTATAA | AATTAACATA | TGGATAAAAT | GAAAGGAGAT | GGAAAACAAA | ATGTTGCCAG | 224880 |
| ACATGTGGAG | CAACTGGAAC | TTTCATACGT | TACGAATGTG | AACTTTGGAA | AGCTGCTCGG | 224940 |
| CAATATCTCC | TAAAGCTAAA | TGTACAATTC | CAGTGACTCA | GACATTTTAC | TTAGAAATGC | 225000 |
| ACATATACAT | CCATAAAACA | TGTACAACAA | TGTTCATAGG | AGCACTATCT | GTAATAGCCT | 225060 |
| GAACAGGAAG | TTGTCTGTTA | AAAAAAGAAT | GAGTAAATAA | ACCACGGTCT | ATTTGTATAG | 225120 |
| CAATGAGAAT | TAACAGACCC | CAATATATAA | TAGATGAATG | GGTCTCATAA | GCACAATATT | 225180 |
| GATTAAAGGA | AGACAAAACG | CACATTCTTT | TAAAGGTTTA | TAAAATACTT | TTTAAAAACA | 225240 |
| GCTACAACCA | ATCCGTCCTG | TTAAAAATCA | GTGAGCGATT | TCCCTTGTGC | AGGGATGGGG | 225300 |
| GTTGTGGCTG | GATGGATGGT | ACTTAAGAAG | TGCTCCTGGG | GTACTAGAAA | TATTTTATTT | 225360 |
| CTTGACTTGG | ATGTGTGTTT | ACTTTGTGAA | TATTGTACAT | TTATGATTTG | TGCACGTTTA | 225420 |
| TGAATGTAGA | AAATAAAACA | GAAAGCAAAT | TCAAAGTATC | ATCCTTTTGA | GAGCTTCTGC | 225480 |
| TCTGACTTCG | TTTTGACCAA | TGGAGCAGTT | GGGAAGGGGT | CTTGGTCCTT | CGGTCCTTTG | 225540 |
| CTTTTTTTTT | TTTTTTTTTT | TTTTAGACAG | AGTCTCACTC | TGTCGCCCCG | GCTGGAGTGC | 225600 |
| AGTGGCTCGA | TCTTAGCTCA | CTGAAAGCTT | TGCCTCCCGG | GTTTCATGCCA | TTCTCCTGCC | 225660 |
| TCAGCCTCCC | CAGTAGCTGG | GACTACAGGC | ACCTGCCACC | ATGCCCCGGT | AATTTTTTGT | 225720 |
| ATTTTTTAGT | AGAGACGGGG | TTTCACCATG | TTAGCCAGGA | TGGTCTCGAT | CTCCTGACCT | 225780 |
| CGTGATCCGC | CCACCTGAGC | CTCCCAAAGT | GCTGGGATTA | CAGGTGTGAG | CCACCGCGCC | 225840 |

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| CGGCCCCCTGG | TCCTCTGCTT | TCATGTTCTT | CTTGGTCCTG | TTCCTCCTCC | TCTTTTGTTG | 225900 |
| GAACTTCCAG | TATCAGAGCA | GGAAGGAAGG | CAATGGGTCA | ATCGATGCTG | TCAGCTTTTG | 225960 |
| GATCAAACCTG | CAAGTTCTCA | AACAGCAAAA | TTAATGAGCT | CAGGCTTTGA | AGAAACCATG | 226020 |
| ACCCTGAAAG | CATCAGTTGC | TTCCAATTGC | ATCAGTTGCC | ACGGGTGATA | AGAACAATGA | 226080 |
| TGACTCAGAA | TGCCTAGGTT | TTCCCAGCAG | CTTCTCTGAG | GTTTTCCCAG | CAGCTTCTCT | 226140 |
| GATTGATTCC | TGACAGATGA | CTTCGGTGTG | TCAGACTTTC | AGGGTATCTT | TCCTTATGTG | 226200 |
| ATGGTTTGAG | GAAGAGTTAC | CATTACATT | CCTAATGGCT | TCAGAATAGA | TGCAATTGTG | 226260 |
| AACTGATAGG | AAACATTTCT | AATTCATCTC | CCCTCCCCAT | CCCTAAAGGA | TTGTTTCTAA | 226320 |
| CAATAGTCAT | GAAAATTAAT | TCACTTTTCT | CAAATAGTTT | ATTGTCATCT | ACCTAATGAT | 226380 |
| GAGATGACTT | ACTTTTTCTC | CTTGACTGTT | AAATATTATG | AATTATATTA | ATGTATTTCT | 226440 |
| TAATGTTGAG | CTTCCCTTG | AATATTCTTT | TGATGTACGA | CAGAATTTGA | TTCACTAATA | 226500 |
| GTTTATTTAG | GACTTTGGCT | GATGTACTGA | TATATGAGAT | TGGCTCTGTA | TGCATACATG | 226560 |
| TGTTTTGTGT | ATCTTTTTTG | TGTCTGGATA | TGGAGCTTAT | GCTGATTTC | AAAACAAGAA | 226620 |
| AGGAGAACTT | TCCTTTTTCC | CCATTACTCT | GAAAAAGATT | GACTAGAATG | GAATTTTTAT | 226680 |
| AATTGCTGTT | GTTATTTGAA | AGCTTGAAAG | CATTGGTTTG | TAAAAATCAT | GCAGGCTGAA | 226740 |
| AGCCATTTTG | AGGAGACTTT | GATAACTTTC | TCAATTTCTT | TCAGTTACTG | GTCTTTTAAG | 226800 |
| GGGTTTTATA | TTTTTCTTTG | ATCAATTTTG | ACCATTTATG | TTATCTTGGA | GGATCATCTA | 226860 |
| TTTTACACAC | TATTTAAAGT | ATATTTGCAA | AAATTCAACT | GTTTTATCAG | GCTATCTTTT | 226920 |
| TAATAATATA | TTCATTTTAT | CTATATCTGA | GGTTTTAGCT | TCTTTGTACT | TCTGACCCAA | 226980 |
| TTGCATGTGT | GCTTTCTTTC | TCCTTCATTA | GACTACTTAG | TCATTTACTA | ATTTTAAGAA | 227040 |
| TAGCTTGTCT | TTTATTTATT | TACTTATTTA | TTTTTGAGAC | GGAGTCTCAC | TCTGTCACCC | 227100 |
| AGGCTGGAGT | GCAGTGGCGC | GATCTCGGCT | CACTGCAACC | TCCGCCTCCC | GGGTTCAAGT | 227160 |
| GATTCTCCTG | CCTCAGACTC | CCGAGTAGCT | GGGATTACAG | TCATGCACCA | CCATGTCTGG | 227220 |
| CTAATTTCTG | TATTTTAAAT | AGAGATGGGG | TTTTGCCATG | TTGGCCAAGC | TGGTCTCAAA | 227280 |
| CTCCTGACCT | TAGATGATCT | ACCCACCTTG | GCCTCCCAAA | GTGCTGGGAT | TACAGGCATG | 227340 |
| AGCCACTGCG | CCCAGCCCTG | CTTGTCTTTT | TATTTTATAT | TTGATTAGCT | TTATCTTTTA | 227400 |
| TCAAGCTTAT | GTCCTATTTT | CCTTTGCTTT | ACTTCATATA | AATTTTGTTT | TGGATAGTTT | 227460 |

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| ATTTATTTTT | CATTTAATTA | TGAAACAGGT | TAAAGCTTAG | AGGAAAATTG | CTCCTCTAAG | 227520 |
| TCCACTTTTG | TGGGCAGATT | ACATTTTGCT | GTGTTGTGCT | CCCAAATTCA | TTGTTCTTTT | 227580 |
| AATGCTTTAT | TTCTCAAGTT | AATAACCTAT | ATAGTAAAAA | AGTGGCTGTT | GACTCTCAGC | 227640 |
| TTTTTTTTTT | TTTTTTTTTT | TTTTTTTGTA | GATACAGGGA | TCTTGCTGTG | TTGCTCAGGC | 227700 |
| TGGTCTGAAA | CTCCTGGCTT | CAAGGGATCC | TCCTGCCTTG | GTCTCACAAA | ATGCTGGGAT | 227760 |
| GACAGACATG | AGACACCATG | CCCAGCCATG | TCTCTCTCCT | TATATATAAT | AAGAAAACAG | 227820 |
| ACACACTGAG | GCATCCTATC | ATCTCACTCT | TGGTTTCACT | ACTGTTCTCT | GGAAGTTTTG | 227880 |
| CTCTGACCTT | TTGCAGTTAA | TGTATTAATT | TTGCATTGAG | TAGTTTCCAT | AGAAGAATTA | 227940 |
| TAGCATTTGC | ATTCTGTTGG | GTATTATACT | TTTCACTGTT | ATTTGAACAT | AATTTGAGGG | 228000 |
| CTGAAACCAA | GATGAGGCAA | GTGAGGTGCC | CAGGAAGCAA | TATTTAAGGA | GGCATCCTTT | 228060 |
| CTTAGGCTCA | TGCAAGAACA | GAATTGGCAC | ATGAGAGTGA | GTGCCTCCTT | AATTTTGAGT | 228120 |
| GCTGGACACT | TCTTGCTCAC | TTAGCATACC | CCTGGACAAT | GAAGTGTTTT | TTGTTTTGTT | 228180 |
| TTTTCATGTC | CATCCTTTAT | CCTTCTTCAT | CTCAAAACAT | TTCAATGGAG | TATTTTTTTG | 228240 |
| GAGCAGTACT | TGGATGAGCC | TCTGAGTCCC | ACAGTAGCTG | AGAATTTATT | TCATAGTACT | 228300 |
| CTTTATGATC | ACTGTGGAGC | CTTAAAACAT | TGTAATATTA | ACTTAGCTGG | GAACAGAAAT | 228360 |
| TTTGTTCCAC | AATTTGTCTT | ATTCAGAACA | GTATTGACTT | CCTGCTAGTC | TCTTCTGATG | 228420 |
| TCCAATATGA | GGAAGTCTAG | TTAGCCAGCT | ACTTTTTGTA | GGAGAGCTAT | GTTTAGGCTA | 228480 |
| GGTGCTATAG | GATTCTCTTT | ATCCTGGAAT | TCCTTCACCA | AGATGTGCCA | AGGTGTTAAT | 228540 |
| CATTTTCTCT | TGCTTTTTGG | CTGGTGGTCT | TAGAGTTTCC | TTCGATTTTG | TTTTATTTAG | 228600 |
| TGATTGTCCT | CAATTTGTTT | TCTTTACTAA | GAATCTCTCT | TCTATTTATC | TGTATGGTAA | 228660 |
| AACCTTGTTG | CCCATCTTTC | TGGTTTCTGC | TGACTTTCAT | TTTTGGACCT | TTTACTTTGC | 228720 |
| TTTCTCCATG | GACTTTTTGG | TAGTGGAGGC | AGGCAAACAC | TTTCCAAAGT | CTTTCTCAAT | 228780 |
| TTCCATCAAT | TTCAACTTAT | TTCTTAAAAT | TGCCTCAGAA | TGTGCCTATG | TCCACAATAT | 228840 |
| CCCTCCTTCC | ACTTTAGAAA | GGAAAGGCAT | CCACACTTTA | TTTAGGTGCA | ATGCCTGAAG | 228900 |
| TGTAAACACT | TTCTGGTTGT | CAACAAAGGA | GTA CTTC CAA | ATATTGGTTT | GGGGATAACC | 228960 |
| TGCTAATGAT | TAACACATTC | ACCTTGGCTC | TTGGTTTGCC | TGCTCCCTCT | TCTTTTATCT | 229020 |
| GCTGTGTGTA | TTTTTTTTTAA | TCACTGAGAA | TATGCACAGT | ATTGTATGTT | TTATTATAAG | 229080 |

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| AGAGGACTGG | CCAGAGTGGG | AATGTTCTGA | ATTCAGAATA | ACTGAAGCAG | TACAGGATAG | 229140 |
| GAACTCATTC | TTTCAAATGA | AGCTGGCATA | TTTTCCCAGA | GCACCAAATT | TCAATATATA | 229200 |
| TTTAAAAAAC | TTGATATGAA | TGATACAATA | AAGTGGTTAG | AACTTTTATT | AAAATAAACT | 229260 |
| TATGTCATGA | AATACTTATT | CTAATTATAG | TCACTCTTCA | TCTTATTTCA | TCTTATAACA | 229320 |
| TGTTTAATGT | TTTCTTTTAT | TTACAAAACA | ATTTATTTTT | TGATGAAAAG | TTTTAGAAAT | 229380 |
| CAAGTTAAAA | ATATTCAAAG | GAATGCCTAA | AGTTTTCAAA | ATTCTTTTAC | ATGTTGTACA | 229440 |
| ATCAAAAGAG | TCTGAAGACC | ATTTAGCTAT | CCAAATTGTT | TATTTTTTAAG | CAGTATCCCT | 229500 |
| TCTAATATTT | ACTATTTATA | ATCCTTAAAA | ATTTGCCTTA | GCACAGGAGA | ATTGCTTGAA | 229560 |
| CCCAGGAGAC | GGAGGTTGCA | GTGAGCCAAC | ACAGTGCCAC | TGCCCTCCAG | CCTCGGCGAC | 229620 |
| AGAGTGAGAC | TCTGTCTCAA | AAAAAAAAAA | AAAAAAAAAA | AAAAAAGGCC | AAAAACAAAT | 229680 |
| AAACAAACAA | AAAAATCCGC | CTTAACATTA | TTTGTTTCATT | AAAAACTTTC | TTTAATACTA | 229740 |
| CTAGTTTCCC | TTTCTCTCA | GCCCATTGTC | ATATTTTGAT | TTTTATCACT | TGCTTTGTAG | 229800 |
| GACATATGAG | GTTTTTGTTT | TTTTTTTTTT | TTGGAGATGC | AGTCTCCCTC | TGTTGCCCGT | 229860 |
| GCTGGAGTGC | AATGGCGCAA | TCTTGGCTCA | CTGCAACCTC | TGCCTCCTGG | GTTCAAGCAA | 229920 |
| TTCTCCTGCC | TCAGCCTTCC | AAGTAGCTGG | GATTACAGGC | ACCCACTACC | ACGCCTGGCT | 229980 |
| AATTTTTGTA | TTTCTGGTAG | AGACGGGGTT | TCACCATGTT | GGCCAGGCTG | GTCTCGAACT | 230040 |
| CCTGACCTCA | AGTGATCCAC | AATCCTTGGC | CTCCCAAAGT | GCTATGATTA | CAAGCATGAG | 230100 |
| CCACCTGCCC | AGCCAGAATA | TATGTTTCATT | TTGAGTCCTT | TAACAAAGTC | ATAAGAATTT | 230160 |
| TAGGAATTCA | GTTACTTTCT | TGAGAAAATC | TCTGAAAAGA | TGCCAATAAT | TTGTAGCCAA | 230220 |
| TTATATTGAT | TTCTCTTTTT | CATATTGAGA | ATTGTTTTTT | AAAAAGTTTG | TATGTGTGAA | 230280 |
| GATTTTTGCA | CTGTAGTTAA | AGAAACCACC | TGTGTGTTGG | TTAAGCCATA | AGTACATGTA | 230340 |
| TTCAAATAAA | TTGAGGTGGG | GTTACTCTGA | GAATCAAAGG | AAAACCTGAA | GAAACAGGCA | 230400 |
| GCCTCAAAAG | GTCTTAGCTG | TAGCAACTTG | CTCCATTGTT | GAAATAAATA | GGCTTGAACT | 230460 |
| TGTATTTTCC | CTCTACTCAA | CATTTAAGGT | CTCAGAAGAT | AATATAATTG | GTGAAATTTA | 230520 |
| AGTAAAGTGC | TCACTCTTTT | GCTTTAACAA | ACCCTAGAGA | GCTGGTAGGC | AGAGCCTCAA | 230580 |
| CAGACCGTTT | TAGCTTCCAA | AGGGAGTTCA | GGACACCATG | ATTCACGACC | ACAATACATC | 230640 |
| ACACATAATT | GAGAAAAGAT | AGTTCCACCA | AATAAAGTTG | AAATGCTGAC | AAGAAGGGGT | 230700 |

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|------------|------------|------------|------------|------------|------------|--------|
| AAGAAATCTT | GGAAATAGGT | TTATATAAAA | TTTATTTTTT | CCTTTTTTAT | TGTTATGGAA | 230760 |
| TAGGACCAGT | TCTACTTAAG | CCACCCATTT | GCCAAAATAA | AGTGAGAATC | GTTTCTTTTG | 230820 |
| GGGACTCCTC | TTTGTAGCTC | CAAGTGCCAC | TAACAATTCT | TAGGACCTGA | GCTATAAGCC | 230880 |
| AGGTGATTTT | AGTTAATATG | ATCAATTATT | TCATTTAAAT | GGCTCTAATG | TGCAGAGGGA | 230940 |
| ACGGAGCCCA | TCAGCATTCC | CTGCAGGGAA | CTGCAGTGGC | TTTTATCAAC | TTGAACAGCT | 231000 |
| AGCTTTCAAC | TGTTTTGAAA | TCACTTTCAG | GGTGGTCATG | TAGTTGCTTT | TTTGAAATCA | 231060 |
| GAAGATGATT | CTGCCTCTTT | TAATATGTGA | CTCCTCAGAT | TCAGAAAGTG | CTCGCTAGTC | 231120 |
| TTAAGAGTGA | ATTACCCTCA | GTGGTCCAGC | GCTTATGAAC | CCACATCTAA | CCCTATCCCC | 231180 |
| TGGGGGAACT | ATCAGAGAAA | TTGGTGCCAT | GGACATAAGA | GGAAGGCACA | GTGAAGCAGA | 231240 |
| GAGCCCCGCA | TGATGAAAAT | CAGTGGACAG | CATCATTATT | TACAACTTTG | TAATCACCCA | 231300 |
| GGAGCATGAA | AATCCAGGCC | AATCTGGCAC | CATGAGCTCT | AATTTTTGTT | GGAGTTCTTG | 231360 |
| GAACCGATT | TGATGAATGA | CTGTTTAGCC | ATTTTAGAGT | GTGGCATACG | TGGCTGCTGG | 231420 |
| CATACAGAGG | TTGGATGTAA | ACGGGCCTTT | GCCCTCTCTT | ATGAACATAG | ACAGGAACTA | 231480 |
| AACTGTGTCA | CATAGGTTCC | AAATGGTGGC | CTGAATACTA | TTTACAACTA | AGGTACAATG | 231540 |
| AAATTGAGTA | AGTCTTTTCC | TCTTTTGCAG | ATACCATCAT | TATTCATATA | TTTCTTCAAA | 231600 |
| GTAACTATT | TGTATTTGGT | AATTTTTAAT | AGAAATGTAA | TAATTGCTTC | TCAAGTTTAG | 231660 |
| TCTTTAGTCT | TAAGGTTGAT | GCTCTCCATG | TCCTTCCAAA | AAAAGGTATG | TTGCTTTTAT | 231720 |
| TATATCCTCG | CCTTCAGATG | GGATTATTCC | ATTTTGTTCT | TTGTTAATAT | ATACTTTGAG | 231780 |
| CCACTTTTTT | TGTGGCTCTG | GGTGAGATGC | TATAGGTACA | ATGACAAGTG | ATACGTGTGT | 231840 |
| TGTCCCTGTC | ACAAAAGTGG | ATAGCCTAAG | TGGTGACTTT | TACCTCCACT | CCAAATATAT | 231900 |
| GTATCACACA | CCAGCCGTAT | GCCAGGCACC | ACTCTAGGTG | CTAGGGATAC | AGCAGTAAAC | 231960 |
| AGACAAATGC | AACCCCTGCC | CATGTGAAAG | AGAATAAGAC | AATAAATAAG | TAAAGTGCAT | 232020 |
| GTTATATGGA | GGTGGCAAAT | GCTAAAAAGA | AAAATTAAGC | AGGCAAGAGG | ACTCATTGAA | 232080 |
| AAGATGACAT | TTGGGTAAAA | GCCCATGTAT | ATATGTTCTA | TTGGTTTTAT | TTCTCTGGAG | 232140 |
| AGCCCTGACT | AATACACAAT | GACTTTGAGA | AGTTACTGGC | TTTTGATTTA | TCACACTATT | 232200 |
| CGGAGTGCTG | AGAGCCTTCT | TAGTGTGTAT | TCAGTGTTTT | AAGAGAGCTT | GTGGATGAAT | 232260 |
| AATAAATAGG | ACAAAATTTA | TCCAAACTTA | AGCCTTGCTT | TAGGTAAAAG | GGCTCCTCTT | 232320 |

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|------------|-------------|-------------|-------------|-------------|-------------|--------|
| ACAAGGTAGA | AGGTTATTAT | TTGACATTTA | AATCCAACCTG | AAGACTAATA | AGACTAATTA | 232380 |
| ATTAAAAGTT | TTTAAATCAC | AACTGCGTGC | AAAATAAATG | GAAGTGCCAT | GCTCGCCAAG | 232440 |
| TGTGCATGAG | TGGTGTGCAT | GGGAGACAGC | ACGAAGCTAA | TCCCACCTCAT | CTTGCAGGTT | 232500 |
| GCTCCATTTT | TCTCCTAAAA | TCAGTAAGAC | AGAAGCTGGT | CAGATTATCA | AGAGCCCTAG | 232560 |
| TTAAACACAG | CAGTAGCATT | TGGAAGGGGT | TGCTCTCATT | AGGCAGTGCC | TGACCACAAC | 232620 |
| AAGAGATGAA | CAAGCCCTGT | ATCTGAAGCC | ATCATGCCTA | GTTATGGTCC | CCGACTGTTC | 232680 |
| ATGATGCCTG | GAAGGGAGGC | CCCCTGCACC | CTAGAAAGCT | GGGTGGGTTT | TACTGTCTGC | 232740 |
| TTTACTGCTA | AAAACCCCTCT | TCTTTGGATC | TGGACTTTAC | CTCTATCTGA | TTTTTTTTTTC | 232800 |
| TAATATATGA | TTTGGCACTG | AGTCTGTCAC | TGCTGCTAAC | TCAGCAGTTC | TAGGGTCATT | 232860 |
| GCCCCATTGC | CTCACAGAAA | GAATTTTCATA | GCTTCCAGCA | TCCTCTCTCC | TTCATTATAC | 232920 |
| TTTGATTTC | GCATTGCTAT | TTTTTCTCTT | GGGTGTTGCA | GCTCTCTCTC | TCCTTCCCAT | 232980 |
| GTCTTGTTGG | TTTTCTGCTA | ACTCCTGCTT | TTTTTCTTTT | TTTTTTTTTTG | AGACGGAGTC | 233040 |
| TCGTTCTGTC | ACCCAGGCTG | GAGTGCAGTG | GCACAATCTC | GGCTCACTGC | AACCTCCGCC | 233100 |
| TCCCGGGTTC | AAGCTATTCT | CCTGCCTCAG | CCTCCCAAGT | AGCTGGGACT | ACAGGCGCTC | 233160 |
| ACCACTATGC | CCCACTAATT | TTTGTATTTT | TAGTATTGCT | GTCATCAATC | CACATGTCCA | 233220 |
| GAAGCACCTA | GAAACTCTAA | TTCTTTGTAG | GTATCAAACC | CTAGGACTCT | TTCTCTAAT | 233280 |
| CACAATATAT | AATCCCTGAT | TCCCAAACAC | GGTCTTTTCA | TATACATTTT | CCACTGTACA | 233340 |
| TACTTTCTGA | CCTGGAAAGC | TCTTACACAA | ACACGCCCTC | CCCTAGGAAG | CCTTTATAAA | 233400 |
| TGTTCCCAGG | AAGAATCAGT | CACCCAACAG | TGTCCTTGTC | ACATCTTAGG | TTCTACACCT | 233460 |
| TTATTTGTTC | TATCTGAATG | TAATCTCCCA | GAGGGTGTTA | TCATCTTTTT | TTTTGAGATG | 233520 |
| GAGTCTTGCT | TTGCTGCCCA | GGCTGGAGTG | CAGTGGCATG | ATCTCGGCTC | ACAGCAACCT | 233580 |
| CCACCTCCTG | GGTTCAAGTG | ATTCTCCTGC | CTCAGCCTCC | TGAGTAGCTG | GGATTACAGA | 233640 |
| CGTGTGTCAC | CACACCTGGC | TAATTTTTGT | ATTTTTAGTA | GAGACAGGGT | TTCACCGTGT | 233700 |
| TGGCAAGGCT | TTCTTCGAAC | TCCCAAACCTC | AGGTGATCCA | CCCACCTCAG | CCTCCCAAAG | 233760 |
| TGCTGGGATT | ACAGGTGTGA | GCCACCATGT | CCAGCCCCAT | CTTTTTCTTT | TAGTTTAGTT | 233820 |
| CTTAACAAAT | AGTCTGACAC | AAAGTGGATA | TAACAATATT | TTGAATTATG | AATAACTAAA | 233880 |
| TGAATATTTT | CAGATTTCTT | GGTGCTCTCA | AAGTTTTATG | TTACAAAAGA | AAAACAAGTC | 233940 |

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|------------|-------------|-------------|------------|------------|------------|--------|
| TAAAATACCT | GCCTCAAGTT | TTTATCTGTA | CTATGATTTT | AAACCAAATA | AAAAACAGGT | 234000 |
| GGGGTAAAAA | CTGAAACAGG | AAATACATAT | AACTGAAAAA | TTTTGGTATG | TTAGTATGAT | 234060 |
| AATACTAGGT | CATTTTTTCCT | GTTTCCCCAA | CTTCATTTTC | TATAGCAATA | AAAAGAAACA | 234120 |
| AGTAAATGTA | TGTTAATTTA | ATTTAAAAGA | AGTAGTCTAC | CATCTCTTCT | GTTAAAAAGA | 234180 |
| AAAAAGTATT | TTAAAAAATT | ATCTCTGGAA | GGATACACAG | GGAACATTGC | TCTGGTTTCT | 234240 |
| TCCAAGAGAG | AAATGAGGAA | CTAGAGAGCA | TGGCCAAGTG | GGGTTTTGCT | TTTGTTTTTG | 234300 |
| TTTGTCTATC | TGTTAGCTTT | TTATTATTTT | CTTTTGTAGG | TTTGAATTTT | AAACCACATA | 234360 |
| AATCTGTTAC | ATGCTCATAA | TAATAAGTTT | AAAATAAAAC | TTTTGGCTGG | GTGCAATGAC | 234420 |
| TTACACCTGT | AATCCCAGCG | CTTTGGGAAG | CAGAGGTGGG | AGGATACTTG | AGGCCAGGAA | 234480 |
| TTTGAGATCA | GCCTGGGCAA | CATAGTGAGA | CCCTGCCTCT | GTAGAAATAA | ACAAAAATTA | 234540 |
| GCTGGATATG | GTGGTGCATG | CTTGTACTION | TAGCTACTTG | GGAGGTTGAG | GCAGGAGGAT | 234600 |
| CCTTTGAGTC | CAGGAGTTTG | AGGCTGCAGT | GAGCTATAAT | CACCCACTGC | ACTATAGCAT | 234660 |
| GGGCAATAAG | GTGAGAACTT | GTCTCAAAAA | AAAAAGGGGG | GGGGGAAACA | AATAAATAAA | 234720 |
| TATAAACAAA | ACTTTTGTTT | CAAAATATGT | AATATTTAGC | ACTAAAGAAT | TCTGAATTGT | 234780 |
| AGAGCTAAAA | AGTACTTAAA | AGTTAATAAC | TATTGTCTCC | TTTAAAAGAA | TTGTTATCAA | 234840 |
| AGTATAATTT | TTATCCAGAA | AATCATCCAT | ATCAGCAAGC | TAAACTTTCT | CAAAATGACA | 234900 |
| TATCCATGTA | ATTAGCTCCC | AGGTAATTAG | CAGGCAGCCT | CTACTCAGGT | TGAGTATTCC | 234960 |
| TAATCTAAAA | ATTGGAAATT | CAAAATGCTC | CAAAATCTGC | AACTTTTTGA | ATGCTAACAT | 235020 |
| GATTCTCAAA | GGAGTGCTCA | TGGAGTATTT | CAGATTTTGG | ATTTTTGGAT | TTGAGATACT | 235080 |
| CAGTATAATG | CAAACATTCC | AAATCTGAAA | AAATCTGAAA | TACTTCTGGT | TCTAAGCATA | 235140 |
| AGGGATACTC | AACGTGTGTT | AGCTAATTAG | ACCCTTCATG | GTCTCTTCTA | GACCTCAGCT | 235200 |
| TCTTCAAGGT | AACCTCTATC | CTCACTTCTA | ATAGCATGAA | CTTTTCTGTT | TTAGAATAAT | 235260 |
| TTGGATTTTC | AGGAAAGTTG | CAAAGATAGT | ACAAAGACAG | TACAGGAGAG | TTCCCATATA | 235320 |
| TCTTTCACCT | AGCTTTCCCC | CATTGTTAGG | ATTTTACATT | ATTATGATAC | ATTTGTCAAA | 235380 |
| TATAAGCAAC | TCACATTGAT | ACATGAAACT | CTATTAACCA | AACCCTAGAC | TTTATGTGGA | 235440 |
| TTTCACCACT | GTTTCCACTA | ATGTTTCTTT | TCTGTTCCAA | GGTCCAATCT | GGAATACCAC | 235500 |
| ACTGCATTTT | CTTGTCATAT | CTCCCTAGTC | TTTTTTTGTG | TGTGACAATG | TCTCAGTCTT | 235560 |

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|------------|------------|------------|------------|------------|------------|--------|
| TTCTTGCTTT | TCATGACCTT | AACAGTCCTG | AAGATCATTT | GCTTTTTTTT | CATAATTACA | 235620 |
| CCGGAGTTAT | AGATTTTTTG | AAATAATACC | ACAAGGGCAA | AGGGCCCTTC | TTGTCACATC | 235680 |
| ATTTTAGGGA | GAACATGATA | TCCACATGAC | ATCACTGATA | TTAACCTTCA | TCATGTGGTT | 235740 |
| TAGGTAATGT | TTCAGGTTTC | TCTACTGCAA | AGTGATTTTT | TTCCCTTAAT | TTAGCCCACC | 235800 |
| TGAACTTATC | AATTTTGTTT | TCTTCCATGA | CTAATACTTT | TGTTATTATA | GCTAAAACTT | 235860 |
| CATTGGGGCC | AAATCTTAGA | TCATGTAAAT | TTTCTTCTAT | ATTTTATTCT | AAAAGCTTGT | 235920 |
| AATGTTTGAT | ACATTCTAAA | AGATGTAATG | TTTGATACAT | TACATCTAGT | CCTTTGATTT | 235980 |
| ATTTTLAGTT | ACTTTTGTAT | AAGGTGTGAG | AGATGTCTCC | AGTTTCACTT | TATTAACACA | 236040 |
| TTGTGGTGTT | CCAGTACTAT | TTGTTGCTAA | GACTATCTTT | TTTCCATTGA | TTACCTTTGC | 236100 |
| CTTAGTTGGC | AATATTTTTG | TTGGTTTATT | TCTAGACTGT | TTATCTCATT | CCACTGATTT | 236160 |
| GTGTCTATCT | TTTTGACAAA | ACTGTTGATT | ACAGTAAGCT | TTGAAATAGT | TCATTTTTTG | 236220 |
| TGTCAACTTG | ACTGAGTCAG | GGGATAACCA | GCTATCTGGT | TAAACATTAT | TTCTGGCTGT | 236280 |
| GTTTGTGAGC | GTGTTTCTGG | ATGAGATTAG | CCTTTGAATA | GGTGATCCTA | GTAAAGTAAA | 236340 |
| CTGTCTTTCC | CAGTGTGGAT | GGCATTATGC | CACCTGATAT | TCAGGGTCTG | AATAGAAGAA | 236400 |
| AAGGCAGAGG | AAGGGGGAAT | TTGGGCCTTT | TTTTCTGCCT | CACTGCTTGA | GCTGGGACAT | 236460 |
| CTCATCTGGT | CTCCTGCTCT | TGAACTGGGA | TTTACATCAT | CAGTTCCTCT | GGTTCTCAGG | 236520 |
| CCTTCAGATT | CAGACTGAAT | CATACCACCA | GCTTTCCTGG | GTCTCCAGCT | TGCAGATTAC | 236580 |
| AGATCATGGG | ACTCCTCATC | TTCCATAAAT | GCATGAGCCA | ATTCAGTCTA | TGTCCTTGAA | 236640 |
| AACTGCCCCA | CTGCAGATTA | AGGCTTTTTT | CCACTAGGTG | AAATAAAGAA | GCTTGTTAGA | 236700 |
| CAGATTTCCC | TTCATCCAGT | GCCCTCTCCT | CTTTAAGTTA | CAACACATTG | GCTACACCTA | 236760 |
| AGTGCAGGGG | TGGGGATGAG | GGTATAGTCC | TCTTGTTTGC | TGAGAAGAGA | ACTGTATTGG | 236820 |
| GAAAGCTCTA | GAAGTGTTTG | ATACATACAT | AAACAAGGCA | TGGTTTTTGC | ACTTAATTTT | 236880 |
| ACATTACATT | TTTCCCAGAA | AAAAAGGAAT | GTATAGGCAT | CACGTAAGTG | TACTAGCTGG | 236940 |
| AGTCATTCTT | CCTGATTATC | AAAGGTAAAC | AGTTATTAAT | CCTATACCAA | GATGTCAAGG | 237000 |
| AGAAGTACTT | TTGGAACACA | AGGAATTCTC | TGGGAGTCCT | TACTACTCTC | AAGCCCAGTG | 237060 |
| AAAAAGTTAA | TGAAAAACTA | TAGTACCTTC | CTATAAGCTG | GATGACTAAT | TACCAGGCTC | 237120 |
| ATTTAGGAAT | TTGCCTTACC | AAGTAAAACA | TAAGGGCAGC | TGAGGTGCTG | ACTGAAGACA | 237180 |

AATGGAGCAT AGAATAAGAG TAGTAAAGAA TGCCAAAAAT GCTGTCATGT ATCCATTGAC 237240
 AAAAGGAGCT ATAAAGCCTT TAGGTATTTT CACACTTGCT CTGTTACGTA AATGTATGTG 237300
 TGTGTGTGTG TGTGTGTGTG TGTGTG 237326

(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

CGTTAGAACG CGGCTACAAT 20

(2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

GCCGATTCAT TAATGCAGGT 20

(2) INFORMATION FOR SEQ ID NO:5:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

CTGTAAAACG ACGGCCAGTC

20

(2) INFORMATION FOR SEQ ID NO:6:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 19 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

GCAGGAAACA GCTATGACC

19

(2) INFORMATION FOR SEQ ID NO:7:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 21 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

GCATCAGCGA TTAACCTCTA C

21

(2) INFORMATION FOR SEQ ID NO:8:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 22 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

TTGCATTGTG GTGAAATCAG GG

22

(2) INFORMATION FOR SEQ ID NO:9:

- (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 21 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

CTGAGTAATT GTTTAAGGTG C

21

(2) INFORMATION FOR SEQ ID NO:10:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 21 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

CTGAGTAATT GTTTAAGGTG T

21

(2) INFORMATION FOR SEQ ID NO:11:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

AGAAGAGATA GATATGGTGG

20

(2) INFORMATION FOR SEQ ID NO:12:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

GAATGTGACC GTCCCATGAG

20

(2) INFORMATION FOR SEQ ID NO:13:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 28 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

CAACTGAATA TGCAGAAAAA AGTACACC

28

(2) INFORMATION FOR SEQ ID NO:14:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 21 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:

AGTAGCTGGG ACTCACGGTG T

21

(2) INFORMATION FOR SEQ ID NO:15:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 21 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:

AGTAGCTGGG ACTCACGGTG C

21

(2) INFORMATION FOR SEQ ID NO:16:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 21 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:

GCGCCACCAC TCCCAGCTCA T

21

(2) INFORMATION FOR SEQ ID NO:17:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 14 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:

TATATATATA TATA

14

(2) INFORMATION FOR SEQ ID NO:18:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 14 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:

AAAAAAAAAA AAAA

14

(2) INFORMATION FOR SEQ ID NO:19:

- (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 10 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:

AGGATGGTCT

10

(2) INFORMATION FOR SEQ ID NO:20:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 12 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:20:

TTGTTGTTGT TG

12

(2) INFORMATION FOR SEQ ID NO:21:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 14 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:21:

CTTTTTTTTT TTTT

14

(2) INFORMATION FOR SEQ ID NO:22:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 12 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:22:

AATAATAATA AT

12

(2) INFORMATION FOR SEQ ID NO:23:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 11 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:23:

TTTTTTTTTTT T

11

(2) INFORMATION FOR SEQ ID NO:24:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:24:

ATATATATAT ATATATATAT

20